WEEKLY BULLETINS OF MASS. STATE BOARD OF HEALTH

1896

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Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

—OF—

MASSACHUSETTS

FOR THE

Week ending Saturday, Jan. 4, 1896.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XIV. No. 1.

Entered at the post-office at Boston as second-class matter.

This publication contains the returns of deaths made each week to the State Board of Health from cities and towns in Massachusetts having over 10,000 inhabitants in each. Once in each month it also contains the returns of deaths from such other towns as report to the Board.

It also contains the reports of cases of infectious diseases returned by the boards of health of cities and towns.

Once in each month the work done under the Food and Drug Acts is also reported in this bulletin.

STATE BOARD OF HEALTH.

HENRY P. WALCOTT, M.D., Cambridge, *Chairman.*
GERARD C. TOBEY, Esq., Wareham.
FRANK W. DRAPER, M.D., Boston.
HIRAM F. MILLS, C.E., Lawrence.
JAMES W. HULL, Pittsfield.
CHARLES H. PORTER, Quincy.
JULIAN A. MEAD, M.D., Watertown.

SAMUEL W. ABBOTT, M.D., *Secretary.*

MAY NOT BE TAKEN FROM THE STATE HOUSE, BOSTON

MORTALITY OF MASSACHUSETTS

For the Week ending January 4, 1896.

Deaths reported to the State Board of Health in 30 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report will in future be published weekly, and will contain the returns from all cities and towns having a population of more than 10,000 inhabitants. A monthly report will also be issued, to contain the returns from all reporting towns for the month.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

The population employed in this summary is that of the State census of 1895, and is subject to slight changes, which will be published after the final revision is made.

CITIES AND TOWNS.	POPULATION 1895.	Reported Deaths in Each.	Deaths under five years.	DEATHS FROM Principal Infectious Diseases.	Acute lung Diseases.	Typhoid Fever.	Diphtheria and Croup.	Cerebro-spinal meningitis.
Boston,	494,205	199	53	24	35	1	16	..
Worcester,	98,687	49	21	6	13	..	2	2
Fall River,	88,020	26	9	4	4	..	1	..
Lowell,	84,359	31	9	1	..	..	1	..
Cambridge,	81,519	26	6	2	4	..	1	1
Lynn,	62,355	16	4	5	2	2	2	..
New Bedford,	55,254	13	8	..	..	..	..	..
Somerville,	52,193	15	3	5	1	1	1	3
Lawrence,	52,153	12	5	3	2	1	1	..
Springfield,	51,534	17	6	1	4	..	1	..
Holyoke,	40,149	..	..	..	..	..	..	..
Salem,	34,437	17	5	1	5	..	..	..
Brockton,	33,157	8	0	1	2	1	..	..
Chelsea,	31,295	7	2	..	2	..	..	..
Haverhill,	30,185	17	9	2	1	1	..	..
Malden,	29,706	8	3	1	1	..	1	..
Gloucester,	27,663	..	..	..	..	..	..	..
Newton,	27,622	13	3	3	1	1	2	..
Taunton,	27,093	10	2	..	..	..	..	..
Fitchburg,	26,394	8	4	..	1	..	..	..
Waltham,	20,877	10	4	2	3	..	..	..
Quincy,	20,712	4	1	..	..	..	..	..
Pittsfield,	20,447	5	3	1	2	..	1	..
North Adams,	19,127	2	0	..	..	..	..	..
Everett,	18,578	..	..	..	..	..	..	..
Northampton,	16,738	1	0	..	..	..	..	..
Chicopee,	16,427	..	..	..	..	..	..	..
Brookline,	16,159	3	0	..	2	..	..	..
Marlborough,	14,980	..	..	..	..	..	..	..
Newburyport,	14,554	2	0	2	..	..	..	..
Medford,	14,480	5	1	..	..	..	..	..
Woburn,	14,176	4	2	..	1	..	..	..
Melrose,	11,966	2	0	..	1	..	..	..
Hyde Park,	11,828	..	..	..	..	..	..	..
Beverly,	11,802	..	..	..	..	..	..	..
Clinton,	11,500	2	1	..	..	..	..	..
Weymouth,	11,285	..	..	..	..	..	..	..
Westfield,	10,659	4	0	..	..	..	..	..
Peabody,	10,510	..	..	..	..	..	..	..

RECAPITULATION.

	POPULATION.	Deaths.	Deaths under five.	Infectious Diseases.	Acute lung Diseases.	Typhoid Fever.	Diphtheria and Croup.	Cerebro-spinal meningitis.
Total of reporting towns,	1,553,563	536	164	64	87	8	30	6

DEATHS FROM PREVALENT DISEASES IN 30 CITIES AND LARGER TOWNS OF MASSACHUSETTS.

Sixty-four deaths were reported from the principal infectious diseases: diphtheria and croup, 30; whooping-cough, 11; typhoid fever, 8; cerebro-spinal meningitis, 6; diarrhœal diseases, 5; scarlet-fever, 3; erysipelas, 1.

No deaths were reported from small-pox, measles, puerperal fever and malarial fever.

There were 87 deaths from acute lung diseases; consumption, 57; and still-births, 54.

From cerebro-spinal meningitis: Somerville, 3; Worcester, 2; Cambridge, 1. From scarlet-fever: Waltham, 2; Lawrence, 1. From diarrhœal diseases: Fall River and Newburyport, 2 each; Boston, 1. From erysipelas, Haverhill, 1.

Deaths under five years of age numbered 164, as compared with 125 for the preceding week.

Deaths from the principal infectious diseases numbered 64, as compared with 62 for the preceding week.

The death rates for the week were: Boston, 20.93; Worcester, 25.82; Fall River, 15.35; Lowell, 19.10; Cambridge, 16.58; Lynn, 13.32; New Bedford, 12.23; Somerville, 14.94; Lawrence, 11.96; Springfield, 17.15; Holyoke, ——; Salem, 25.67; Brockton, 12.51; Chelsea, 11.62; Haverhill, 29.27; Malden, 14.00; Gloucester, ——; Newton, 24.46; Taunton, 19.23; Fitchburg, 15.76; Waltham, 24.90; Quincy, 7.14; Pittsfield, 12.70; North Adams, 5.44; Everett, ——; Northampton, 3.10; Chicopee, ——; Marlborough, ——; Newburyport, 7.14; Medford, 17.90; Woburn, 14.67.

The total death rate for the week was 17.96, against 17.04 and 19.57 for the previous two weeks.

CASES OF INFECTIOUS DISEASES REPORTED TO THE STATE BOARD OF HEALTH DURING THE WEEK ENDING JANUARY 4, 1896.

(Under the Provisions of Chapter 302 of the Acts of 1893.)

Scarlet-fever, ...	104.	Measles.	66.
Diphtheria and croup, ...	268.	Typhoid fever, ...	55.

(SIGNED) S. W. ABBOTT, M.D., *Secretary of the State Board of Health.*

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROMETER.	THERMOMETER.			RELATIVE HUMIDITY.		DIRECTION OF WIND.			VELOCITY OF WIND.		STATE OF WEATHER.*		RAIN-FALL.	
Week ending Saturday, Jan. 4, 1896.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A. M.	8 P. M.	MEAN.	8 A. M.	2 P. M.	8 A. M.	8 P. M.	8 A. M.	2 P. M.	HOURS DURATION.	AMOUNT IN INCHES.
Dec., 1895.															
Sunday, 29,	30.16	40	47	33	81	84	82	W.	S. W.	6	9	F.	O.		0.00
Monday, 30,	30.01	41	46	36	83	90	86	S. W.	E.	5	12	O.	R.		0.02
Tuesday, 31,	29.50	50	64	35	76	86	81	S. W.	S. W.	38	23	F.	C.		0.62
Jan., 1896.															
Wednes'y, 1,	29.88	32	35	30	70	89	80	S. W.	W.	14	12	C.	F.		0.00
Thursday, 2,	30.08	34	43	25	76	88	82	S. W.	S.	13	12	C.	O.		0.00
Friday, 3,	29.65	36	45	28	69	87	78	S. W.	W.	15	17	O.	C.		0.01
Saturday, 4,	29.97	18	22	15	64	47	56	W.	W.	18	24	F.	C.		0.00
Week, - -	29.89		37	29			78								0.65

* O., Cloudy; C., Clear; F., Fair; G., Fog; H., Hazy; S., Smoky; R., Rain; T., Threatening; N., Snow.

MONTHLY MORTALITY

In 6 smaller towns of Massachusetts, as reported to the State Board of Health for the month of December.

The total death rate of reporting towns was 9.5.

Towns.	Population.	Reported Deaths in Each.	Deaths under five years of age.	Deaths from				
				Infectious Diseases.	Acute lung Diseases.	Consumption.	Typhoid Fever.	Diphtheria and Croup.
Amesbury,	9,984	6	4	..	1	1	..	..
Revere,	7,437	8	2	..	..	1	..	..
Orange,	5,357	5	0	..	..	3	..	..
Hudson,	5,306	4	1	2	..	..	1	1
Merrimac,	2,302	1	0	..	..	..	..	..
Acushnet,	1,116	1	0	..	..	..	..	..
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Total of reporting towns,	31,502	25	7	2	1	5	1	1

Weekly Bulletin

OF THE

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—OF—

MASSACHUSETTS

FOR THE

Week ending Saturday, Jan. 11, 1896.

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MORTALITY OF MASSACHUSETTS

For the Week ending January 11, 1896.

Deaths reported to the State Board of Health in 28 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report will in future be published weekly, and will contain the returns from all cities and towns having a population of more than 10,000 inhabitants. A monthly report will also be issued, to contain the returns from all reporting towns for the month.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

The population employed in this summary is that of the State census of 1895, and is subject to slight changes, which will be published after the final revision is made.

CITIES AND TOWNS.	Population. 1895.	Reported Deaths in Each.	Deaths under five years.	Deaths from				
				Principal Infectious Diseases.	Acute lung Diseases.	Diarrhœal Diseases.	Typhoid Fever.	Diphtheria and Croup.
Boston,	494,205	200	55	20	41	..	4	14
Worcester,	98,687	23	6	2	2	..	1	1
Fall River,	88,020	29	11	5	7	2	1	2
Lowell,	84,359	28	5	..	3	..	..	..
Cambridge,	81,519	21	10	3	8	..	..	3
Lynn,	62,355	22	..	5	..	..	1	4
New Bedford,	55,254	18	5	1	2	..	..	1
Somerville,	52,193	19	7	5	3	..	..	4
Lawrence,	52,153	11	5	..	..	..	..	..
Springfield,	51,534	19	4	1	5	1	..	..
Holyoke,	40,149	..	..	..	..	..	..	..
Salem,	34,437	11	2	..	2	..	..	..
Brockton,	33,157	..	..	..	..	..	..	..
Chelsea,	31,295	12	4	2	3	..	..	2
Haverhill,	30,185	6	1	..	1	..	..	..
Malden,	29,706	10	2	..	2	..	..	..
Gloucester,	27,603	..	..	..	..	..	..	..
Newton,	27,622	9	3	1	2	..	1	..
Taunton,	27,093	10	..	..	..	..	..	..
Fitchburg,	26,394	10	1	..	..	..	..	..
Waltham,	20,877	4	1	..	1	..	..	..
Quincy,	20,712	..	..	..	..	..	..	..
Pittsfield,	20,447	5	1	..	1	..	..	..
North Adams,	19,127	4	1	..	..	..	..	..
Everett,	18,578	..	..	..	..	..	..	..
Northampton,	16,738	4	0	..	1	..	..	..
Chicopee,	16,427	..	..	..	..	..	..	..
Brookline,	16,159	6	0	..	..	..	..	..
Marlborough,	14,980	..	..	..	..	..	..	..
Newburyport,	14,554	4	0	..	..	..	..	..
Medford,	14,480	5	0	..	3	..	..	..
Woburn,	14,176	..	..	..	..	..	..	..
Melrose,	11,966	2	0	..	..	..	..	..
Hyde Park,	11,828	2	1	..	..	..	..	..
Beverly,	11,802	..	..	..	..	..	..	..
Clinton,	11,500	2	0	..	..	..	..	..
Weymouth,	11,285	..	..	..	..	..	..	..
Westfield,	10,659	6	1	..	..	..	..	..
Peabody,	10,510	..	..	..	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under five.	Infectious Diseases.	Acute lung Diseases.	Diarrhœal Diseases.	Typhoid Fever.	Diphtheria and Croup.
Total of reporting towns,	1,495,356	502	126	45	87	3	8	31

DEATHS FROM PREVALENT DISEASES IN 28 CITIES AND LARGER TOWNS OF MASSACHUSETTS.

Forty-five deaths were reported from the principal infectious diseases: diphtheria and croup, 31; typhoid fever, 8; diarrhœal diseases, 3; cerebro-spinal meningitis, 2; erysipelas, 1.

No deaths were reported from small-pox, measles, scarlet-fever, puerperal fever, whooping-cough and malarial fever.

There were 87 deaths from acute lung diseases; consumption, 58; and still-births, 38.

From cerebro-spinal meningitis: Boston and Somerville, 1 each. From erysipelas, Boston, 1.

Deaths under five years of age numbered 126, as compared with 164 for the preceding week.

Deaths from the principal infectious diseases numbered 45, as compared with 64 for the preceding week.

The death rates for the week were: Boston, 21.04; Worcester, 12.12; Fall River, 17.13; Lowell, 17.25; Cambridge, 13.39; Lynn, 18.32; New Bedford, 16.93; Somerville, 18.92; Lawrence, 10·96; Springfield, 19.17; Holyoke, ——; Salem, 16.61; Brockton, ——; Chelsea, 19.93; Haverhill, 10.33; Malden, 17.50; Gloucester, ——; Newton, 17.03; Taunton, 19.23; Fitchburg, 19.70; Waltham, 14.76; Quincy, ——; Pittsfield. 12.70; North Adams, 10.88; Everett, ——; Northampton, 12.42; Chicopee, ——; Marlborough, ——; Newburyport, 14.28; Medford, 17.95; Woburn, ——.

The total death rate for the week was 17.46 against 17.96 and 17.04 for the previous two weeks.

CASES OF INFECTIOUS DISEASES REPORTED TO THE STATE BOARD OF HEALTH DURING THE WEEK ENDING JANUARY 11, 1896.

(Under the Provisions of Chapter 302 of the Acts of 1893.)

Scarlet-fever, ...	89.	Measles.	52.
Diphtheria and croup, ...	206.	Typhoid fever, ...	47.

(SIGNED) S. W. ABBOTT, M.D., *Secretary of the State Board of Health.*

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.		DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*		RAIN-FALL.	
Week ending Saturday, Jan. 11, 1896.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A. M.	8 P. M.	MEAN.	8 A. M.	8 P. M.	8 A. M.	8 P. M.	8 A. M.	8 P. M.	HOURS DURATION.	AMOUNT IN INCHES.
Sunday, 5,	30.24	12	17	6	48	60	54	W.	N.	14	14	C.	C.		0.00
Monday, 6,	30.49	2	7	10	25	53	39	N. W.	N. W.	14	13	C.	C.		0.00
Tuesday, 7,	30.32	7	16	2	40	90	65	N.	N. E.	6	7	O.	N.		0.06
Wednes'y, 8,	30.17	14	22	7	88	58	73	N. W.	N. W.	14	7	C.	C.		0.00
Thursday, 9,	30.07	21	28	14	61	100	80	N. W.	N.	5	11	O.	N.		0.11
Friday, 10,	30.09	22	25	20	87	68	77	N.	N.	21	22	N.	O.		0.49
Saturday, 11,	30.18	23	30	16	69	71	70	N.	N.	14	5	O.	C.		0.00
Week, - -	30.22		21	7			65								0.66

* O., Cloudy; C., Clear; F., Fair; G., Fog; H., Hazy; S., Smoky; R., Rain; T., Threatening; N., Snow.

INSPECTION OF FOOD AND DRUGS.

The following summary presents the results of the examinations of Food and Drugs by the State Board of Health in the month of December : —

ARTICLES EXAMINED.	Number found to be of good quality.	Number adulterated or varying from the legal standard.	TOTAL.	ARTICLES EXAMINED.	Number found to be of good quality.	Number adulterated or varying from the legal standard.	TOTAL.
Milk,	139	114	253	Maple Syrup,	5	1	6
Butter,	37	0	37	Canned Goods,	..	..	..
Cheese,	..	..	..	Honey,	12	2	14
Lard,	17	3	20	Tea,	5	0	5
Olive Oil,	0	1	1	Coffee,	7	0	7
Vinegar,	..	..	..	Cocoa,	..	..	..
Spices,	107	11	118	Confectionery,	12	0	12
Cream of Tartar,	59	1	60	Other articles of Food and Drinks,	12	5	17
Molasses,	5	0	5	Drugs,	7	17	24
Syrups,	..	..	..				
Maple Sugar,	..	..	..				
				Totals,	424	155	579

Percentage of adulteration, 26.8. The actual ratio of adulteration is very much less than this, since it is only suspicious articles of food to which the attention of the Board is directed. Certain staple products, such as sugar, flour and the various other cereal products, are very rarely adulterated, and require but little inspection. The work of the Board is, therefore, mainly devoted to the inspection of such articles as it has found, by several years of experience, to be especially liable to adulteration.

The ratio of samples of Milk found to be adulterated was 45.0 per cent., as compared with 44.1 per cent. for the preceding month, while the percentage of other articles of food and drugs was 12.6.

Six complaints were entered in the courts during the month for violation of the laws relative to the inspection of Food and Drugs. All of these were for violation of the statutes relative to the sale of Milk. Fines were imposed amounting to $300.

The samples of drugs found to be adulterated were Distilled Water, Extract of Liquorice, Spirits of Nitrous Ether and Tincture of Opium.

Cities and towns from which samples of food were collected were Boston, Cambridge, Chelsea, Everett, Gloucester, Marlborough, Medford, New Bedford, Newton, Somerville, Springfield, Waltham, Woburn, Arlington, Belmont, Brookline, Canton, Framingham and Hyde Park.

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—OF—

MASSACHUSETTS

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Fall River,	88,020	38	14	3	8	1	..	..
Lowell,	84,359	19	9	1	..	..	..	..
Cambridge,	81,519	30	10	4	10	..	1	..
Lynn,	62,355	21	1	4	3	1	1	2
New Bedford,	55,254	23	8	..	5	..	..	..
Somerville,	52,193	11	4	4	2	1	3	..
Lawrence,	52,153	14	..	3	2	..	..	2
Springfield,	51,534	17	4	4	6	..	3	..
Holyoke,	40,149	..	..	..	..	..	..	..
Salem,	34,437	9	4	1	1	..	..	..
Brockton,	33,157	6	1	..	..	..	..	..
Chelsea,	31,295	15	3	1	5	..	1	..
Haverhill,	30,185	13	..	1	..	1	..	..
Malden,	29,706	9	6	..	2	..	..	..
Gloucester,	27,663	..	..	..	..	..	..	..
Newton,	27,622	11	1	..	1	..	..	..
Taunton,	27,093	8	0	..	..	..	..	..
Fitchburg,	26,394	6	2	2	..	1	..	..
Waltham,	20,877	10	3	1	..	..	1	..
Quincy,	20,712	7	5	2	..	..	2	..
Pittsfield,	20,447	5	1	1	3	..	..	..
North Adams,	19,127	..	..	..	..	..	..	..
Everett,	18,578	6	2	..	3	..	..	..
Northampton,	16,738	5	1	..	1	..	..	..
Chicopee,	16,427	..	..	..	..	..	..	..
Brookline,	16,159	4	1	..	1	..	..	..
Marlborough,	14,980	..	..	..	..	..	..	..
Newburyport,	14,554	1	0	..	..	..	..	..
Medford,	14,480	..	..	..	..	..	..	..
Woburn,	14,176	2	0	..	..	..	..	..
Melrose,	11,966	3	0	1	2	..	1	..
Hyde Park,	11,828	2	0	..	1	..	..	..
Beverly,	11,802	..	..	..	..	..	..	..
Clinton,	11,500	3	0	..	..	..	..	..
Weymouth,	11,285	..	..	..	..	..	..	..
Westfield,	10,659	4	0	1	1	..	1	..
Peabody,	10,510	..	..	..	..	..	..	..

RECAPITULATION.

	POPULATION.	Deaths.	Deaths under five.	Infectious Diseases.	Acute lung Diseases.	Typhoid Fever.	Diphtheria and Croup.	Cerebro-spinal meningitis.
Total of reporting towns,	1,534,352	566	149	60	113	8	32	5

DEATHS FROM PREVALENT DISEASES IN 30 CITIES AND LARGER TOWNS OF MASSACHUSETTS.

Sixty deaths were reported from the principal infectious diseases: diphtheria and croup, 32; typhoid fever, 8; cerebro-spinal meningitis, 5; whooping-cough and erysipelas, 3 each; scarlet-fever and diarrhœal diseases, 2 each; puerperal fever, 1.

No deaths were reported from small-pox, measles and malarial fever.

There were 113 deaths from acute lung diseases; consumption, 69; and still-births, 39.

From whooping-cough: Boston, Lawrence and Salem, 1 each. From erysipelas: Boston, 2; Lowell, 1. From scarlet-fever: Boston and Fall River, 1 each. From puerperal fever: Fitchburg, 1. From diarrhœal diseases: Fall River and Springfield, 1 each.

Deaths under five years of age numbered 149, as compared with 126 for the preceding week.

Deaths from the principal infectious diseases numbered 60, as compared with 45 for the preceding week.

The death rates for the week were: Boston, 23 56; Worcester, 21.08; Fall River, 22.44; Lowell, 11.71; Cambridge, 19.13; Lynn, 17.49; New Bedford, 21.64; Somerville, 10.95; Lawrence, 13.95; Springfield, 17.15; Holyoke, ——; Salem, 13.59; Brockton, ——; Chelsea, 24.91; Haverhill, 22.38; Malden, 15.75; Gloucester, ——; Newton, 20.70; Taunton, 15.38; Fitchburg, 11.82; Waltham, 24.90; Quincy, 10.50; Pittsfield. 12.70; North Adams, ——; Everett, 16.80; Northampton, 15.53; Chicopee, ——; Marlborough, ——; Newburyport, 3.57; Medford, ——; Woburn, 7.33.

The total death rate for the week was 19.18, as compared with 17.46 and 17.96 for the previous two weeks.

CASES OF INFECTIOUS DISEASES REPORTED TO THE STATE BOARD OF HEALTH DURING THE WEEK ENDING JANUARY 18, 1896.

(Under the Provisions of Chapter 302 of the Acts of 1893.)

Scarlet-fever, ...	133.	Measles.	75.
Diphtheria and croup, ...	232.	Typhoid fever, ...	34.

(SIGNED) S. W. ABBOTT, M.D., *Secretary of the State Board of Health.*

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROMETER.	THERMOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.			STATE OF WEATHER.*			RAIN-FALL.	
Week ending Saturday, Jan. 18, 1896.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A. M.	8 P. M.	MEAN.	8 A. M.	8 P. M.	8 A. M.	8 P. M.		8 A. M.	8 P. M.		HOURS DURATION.	AMOUNT IN INCHES.
Sunday, 12,	30.02	24	37	12	85	95	90	W.	S.	2	5		O.	R.			0.06
Monday, 13,	30.08	30	33	26	72	59	66	W.	S. W.	12	9		C.	F.			0.01
Tuesday, 14,	30.12	25	32	18	73	73	73	W.	W.	12	12		C.	F.			0.00
Wednes'y, 15,	30.36	22	28	16	60	62	61	N. W.	N. W.	12	14		C.	C.			0.00
Thursday, 16,	30.40	22	33	10	76	82	79	N. W.	S. W.	11	15		C.	C.			0.00
Friday, 17,	30.31	30	36	25	64	77	70	W.	E.	7	16		O.	O.			0.00
Saturday, 18,	30.14	30	32	28	77	76	76	N.	N.	14	6		O.	C.			0.00
Week, - -	30.20		33	19			73										0.07

* O., Cloudy; C., Clear; F., Fair; G., Fog; H., Hazy; S., Smoky; R., Rain; T., Threatening; N., Snow.

Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

—OF—

MASSACHUSETTS

FOR THE

Week ending Saturday, Jan. 25, 1896.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XIV. No. 4.

Entered at the post-office at Boston as second-class matter.

This publication contains the returns of deaths made each week to the State Board of Health from cities and towns in Massachusetts having over 10,000 inhabitants in each. Once in each month it also contains the returns of deaths from such other towns as report to the Board.

It also contains the reports of cases of infectious diseases returned by the boards of health of cities and towns.

Once in each month the work done under the Food and Drug Acts is also reported in this bulletin.

STATE BOARD OF HEALTH.

HENRY P. WALCOTT, M.D., Cambridge, *Chairman.*
GERARD C. TOBEY, Esq., Wareham.
FRANK W. DRAPER, M.D., Boston.
HIRAM F. MILLS, C.E., Lawrence.
JAMES W. HULL, Pittsfield.
CHARLES H. PORTER, Quincy.
JULIAN A. MEAD, M.D., Watertown.

SAMUEL W. ABBOTT, M.D., *Secretary.*

MORTALITY OF MASSACHUSETTS

For the Week ending January 25, 1896.

Deaths reported to the State Board of Health in 30 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report will in future be published weekly, and will contain the returns from all cities and towns having a population of more than 10,000 inhabitants. A monthly report will also be issued. to contain the returns from all reporting towns for the month.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore. upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

The population employed in this summary is that of the State census of 1895, and is subject to slight changes, which will be published after the final revision is made.

CITIES AND TOWNS.	Population. 1895.	Reported Deaths in Each.	Deaths under five years.	Deaths from Principal Infectious Diseases.	Acute lung Diseases.	Typhoid Fever.	Cerebro-spinal meningitis.	Diphtheria and Croup.
Boston,	494,205	216	57	22	45	4	..	13
Worcester,	98,687	22	11	1	3	..	1	..
Fall River,	88,020	35	12	4	7	..	..	3
Lowell,	84,359	28	12	4	5	..	..	3
Cambridge,	81,519	18	7	2	6	..	..	1
Lynn,	62,355	23	..	5	1	1	2	1
New Bedford,	55,254	17	5	..	3	..	..	..
Somerville,	52,193	27	5	4	3	..	1	3
Lawrence,	52,153	21	10	..	..	..	..	..
Springfield,	51,534	12	1	2	2	..	..	1
Holyoke,	40,149	..	..	..	..	..	..	..
Salem,	34,437	15	7	2	1	..	..	2
Brockton,	33,157	5	1	..	..	..	..	..
Chelsea,	31,295	14	6	1	3	..	..	1
Haverhill,	30,185	6	0	..	..	..	..	..
Malden,	29,706	15	5	..	4	..	..	..
Gloucester,	27,663	..	..	..	..	..	..	..
Newton,	27,622	12	2	2	2	..	..	..
Taunton,	27,093	15	2	..	..	..	..	..
Fitchburg,	26,394	6	1	..	..	..	..	..
Waltham,	20,877	11	1	..	4	..	..	..
Quincy,	20,712	..	..	..	..	..	..	..
Pittsfield,	20,447	3	2	2	..	..	1	1
North Adams,	19,127	5	2	..	..	..	..	..
Everett,	18,578	4	2	..	..	..	..	..
Northampton,	16,738	..	..	..	..	..	..	..
Chicopee,	16,427	..	..	..	..	..	..	..
Brookline,	16,159	3	0	..	..	..	..	..
Marlborough,	14,980	..	..	..	..	..	..	..
Newburyport,	14,554	4	1	..	..	..	..	..
Medford,	14,480	4	1	1	..	..	..	1
Woburn,	14,176	1	1	..	..	..	..	..
Melrose,	11,966	2	0	1	..	..	..	1
Hyde Park,	11,828	4	0	..	1	..	..	..
Beverly,	11,802	..	..	..	..	..	..	..
Clinton,	11,500	5	0	..	1	..	..	..
Weymouth,	11,285	..	..	..	..	..	..	..
Westfield,	10,659	3	0	1	..	..	..	1
Peabody,	10,510	..	..	..	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under five.	Infectious Diseases.	Acute lung Diseases.	Typhoid Fever.	Cerebro-spinal meningitis.	Diphtheria and Croup.
Total of reporting towns,	1,544,519	556	164	54	91	5	5	32

DEATHS FROM PREVALENT DISEASES IN 30 CITIES AND LARGER TOWNS OF MASSACHUSETTS.

Fifty-four deaths were reported from the principal infectious diseases: diphtheria and croup, 32; typhoid fever, 5; cerebro-spinal meningitis, 5; erysipelas, 4; whooping-cough and diarrhœal diseases, 3 each; scarlet-fever, 1.

No deaths were reported from small-pox, measles, malarial fever and puerperal fever.

There were 91 deaths from acute lung diseases: consumption, 69; and still-births, 45.

From erysipelas: Boston, 2; Cambridge and Newton, 1 each. From whooping-cough: Boston, 2; Lynn and Springfield, 1 each. From diarrhœal diseases: Boston, Fall River and Lowell, 1 each.

Deaths under five years of age numbered 164, as compared with 149 for the preceding week.

Deaths from the principal infectious diseases numbered 54, as compared with 60 for the preceding week.

The death rates for the week were: Boston, 22 72; Worcester, 11.59; Fall River, 20.89; Lowell, 17.25; Cambridge, 11.48; Lynn, 19.15; New Bedford, 15.99; Somerville, 26.90; Lawrence, 20.93; Springfield, 12.10; Holyoke, ——; Salem, 22.65; Brockton, 7.84; Chelsea, 23.25; Haverhill, 10.33; Malden, 26.25; Gloucester, ——; Newton, 22.58; Taunton, 28.84; Fitchburg, 11.82; Waltham, 27.39; Quincy, ——; Pittsfield. 7.62; North Adams, 13.60; Everett, 11.20; Northampton, ——; Chicopee, ——; Marlborough, ——; Newburyport, 14.28; Medford, 14.36; Woburn, 3.68.

The total death rate for the week was 18.72, against 19.18 and 17.46 for the previous two weeks.

CASES OF INFECTIOUS DISEASES REPORTED TO THE STATE BOARD OF HEALTH DURING THE WEEK ENDING JANUARY 25, 1896.

(Under the Provisions of Chapter 302 of the Acts of 1893.)

Scarlet-fever, ...	78.	Measles.	72.
Diphtheria and croup, ...	222.	Typhoid fever, ...	27.

(SIGNED) S. W. ABBOTT, M.D., *Secretary of the State Board of Health.*

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.		DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*		RAIN-FALL.	
Week ending Saturday, Jan. 25, 1896.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A. M.	8 P. M.	MEAN.	8 A. M.	8 P. M.	8 A. M.	8 P. M.	8 A. M.	8 P. M.	HOURS DURATION.	AMOUNT IN INCHES.
Sunday, 19,	30.23	28	31	25	77	84	80	N.	N.	13	13	O.	O.		0.01
Monday, 20,	30.28	22	24	20	92	86	89	N.	N.	22	18	N.	O.		0.03
Tuesday, 21,	30.18	28	34	22	80	69	74	N.	W.	6	3	F.	O.		0.00
Wednes'y, 22,	30.33	30	33	27	93	68	80	N. W.	E.	6	3	C.	C.		0.00
Thursday, 23,	30.48	28	32	23	87	73	80	N.	E.	7	10	O.	O.		0.00
Friday, 24,	30.02	35	42	28	82	98	90	E.	E.	22	24	T,	R.		1.16
Saturday, 25,	29.98	32	35	30	100	90	95	N.	N.	13	13	R.	O.		0.27
Week, - -	30.50		33	25			84								1.47

* O., Cloudy; C., Clear; F., Fair; G., Fog; H., Hazy; S., Smoky; R., Rain; T., Threatening; N., Snow.

Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

—OF—

MASSACHUSETTS

FOR THE

Week ending Saturday, Feb. 1, 1896.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XIV. No. 5.

Entered at the post-office at Boston as second-class matter.

This publication contains the returns of deaths made each week to the State Board of Health from cities and towns in Massachusetts having over 10,000 inhabitants in each. Once in each month it also contains the returns of deaths from such other towns as report to the Board.

It also contains the reports of cases of infectious diseases returned by the boards of health of cities and towns.

Once in each month the work done under the Food and Drug Acts is also reported in this bulletin.

STATE BOARD OF HEALTH.

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HIRAM F. MILLS, C.E., Lawrence.
JAMES W. HULL, Pittsfield.
CHARLES H. PORTER, Quincy.
JULIAN A. MEAD, M.D., Watertown.

SAMUEL W. ABBOTT, M.D., *Secretary.*

MORTALITY OF MASSACHUSETTS

For the Week ending February 1, 1896.

Deaths reported to the State Board of Health in 31 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report will in future be published weekly, and will contain the returns from all cities and towns having a population of more than 10,000 inhabitants. A monthly report will also be issued, to contain the returns from all reporting towns for the month.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

The population employed in this summary is that of the State census of 1895, and is subject to slight changes, which will be published after the final revision is made.

CITIES AND TOWNS.	Population. 1895.	Reported Deaths in Each.	Deaths under five years.	Deaths from Principal Infectious Diseases.	Deaths from Acute lung Diseases.	Deaths from Diarrhœal Diseases.	Deaths from Typhoid Fever.	Deaths from Diphtheria and Croup.
Boston,	494,205	178	41	14	29	..	3	6
Worcester,	98,687	24	13	4	3	..	..	4
Fall River,	88,020	33	12	4	7	2	1	1
Lowell,	84,359	34	11	3	6	1	..	2
Cambridge,	81,519	20	6	1	2	1	..	..
Lynn,	62,355	20	..	5	1	..	2	2
New Bedford,	55,254	20	5	1	3	..	..	1
Somerville,	52,193	15	4	4	2	..	..	3
Lawrence,	52,153	28	12	3	2	1	..	2
Springfield,	51,534	21	2	..	5	..	..	..
Holyoke,	40,149	..	..	..	..	..	..	..
Salem,	34,437	7	1	1	1	1	..	..
Brockton,	33,157	7	2	2	..	..	1	1
Chelsea,	31,295	11	2	1	2	..	..	1
Haverhill,	30,185	9	1	..	1	..	..	..
Malden,	29,706	10	3	..	..	..	..	..
Gloucester,	27,663	..	..	..	..	..	..	..
Newton,	27,622	4	0	..	..	..	..	..
Taunton,	27,093	10	..	..	..	..	..	..
Fitchburg,	26,394	7	4	..	1	..	..	..
Waltham,	20,877	5	1	..	1	..	..	..
Quincy,	20,712	12	7	4	2	..	1	3
Pittsfield,	20,447	3	0	..	..	..	..	..
North Adams,	19,127	4	2	..	..	..	..	..
Everett,	18,578	5	0	1	..	..	..	..
Northampton,	16,738	5	0	1	..	..	..	..
Chicopee,	16,427	..	..	..	..	..	..	..
Brookline,	16,159	4	1	1	..	..	..	1
Marlborough,	14,980	..	..	..	..	..	..	..
Newburyport,	14,554	1	0	..	..	..	..	..
Medford,	14,480	4	1	..	2	..	..	..
Woburn,	14,176	..	..	..	..	..	..	..
Melrose,	11,966	3	0	1	..	..	..	1
Hyde Park,	11,828	3	0	..	1	..	..	..
Beverly,	11,802	..	..	..	..	..	..	..
Clinton,	11,500	1	0	..	..	..	..	..
Weymouth,	11,285	..	..	..	..	..	..	..
Westfield.	10,659	3	0	1	..	..	..	1
Peabody,	10,510	..	..	..	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under five.	Infectious Diseases.	Acute lung Diseases.	Diarrhœal Diseases.	Typhoid Fever.	Diphtheria and Croup.
Total of reporting towns,	1,567,693	511	131	52	71	6	8	29

DEATHS FROM PREVALENT DISEASES IN 31 CITIES AND LARGER TOWNS OF MASSACHUSETTS.

Fifty-two deaths were reported from the principal infectious diseases: diphtheria and croup, 29; typhoid fever, 8; diarrhœal diseases, 6; scarlet-fever, 3; cerebro-spinal meningitis and puerperal fever, each 2; whooping-cough, 1.

No deaths were reported from small-pox, measles and malarial fever.

There were 71 deaths from acute lung diseases; consumption, 61; and still-births, 44.

From scarlet-fever: Boston, 3. From cerebro-spinal meningitis: Lynn and Somerville, each 1. From puerperal fever: Everett and Northampton, each 1. From whooping-cough: Boston, 1.

Deaths under five years of age numbered 131, as compared with 164 for the preceding week.

Deaths from the principal infectious diseases numbered 52, as compared with 54 for the preceding week.

The death rates for the week were: Boston, 18.72; Worcester, 12.64; Fall River, 19.49; Lowell, 20.95; Cambridge, 12.75; Lynn, 16.66; New Bedford, 18.82; Somerville, 14.94; Lawrence, 27.91; Springfield, 21.18; Holyoke, ——; Salem, 10.57; Brockton, 10.97; Chelsea, 18.27; Haverhill, 15.49; Malden, 17.50; Gloucester, ——; Newton, 7.52; Taunton, 19.23; Fitchburg, 13.79; Waltham, 12.45; Quincy, ——; Pittsfield. 7.62; North Adams, 10.88; Everett, 14.00; Northampton, 15.53; Chicopee, ——; Marlborough, ——; Newburyport, 3.57; Medford, 14.36; Woburn, ——.

The total death rate for the week was 16.95, against 18.72 and 17.40 for the previous two weeks.

CASES OF INFECTIOUS DISEASES REPORTED TO THE STATE BOARD OF HEALTH DURING THE WEEK ENDING FEBRUARY 1, 1896.

(Under the Provisions of Chapter 302 of the Acts of 1893.)

Scarlet-fever, ...	103.	Measles.	81.
Diphtheria and croup, ...	170.	Typhoid fever, ...	31.

(SIGNED) S. W. ABBOTT, M.D., *Secretary of the State Board of Health.*

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROMETER.	THERMOMETER.			RELATIVE HUMIDITY.		DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*		RAIN-FALL.	
Week ending Saturday, Feb. 1, 1896.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A. M.	8 P. M.	MEAN.	8 A. M.	8 P. M.	8 A. M.	8 P. M.	8 A. M.	8 P. M.	HOURS DURATION.	AMOUNT IN INCHES.
Sunday, Jan. 26,	30.08	32	35	28	92	81	86	N.	S. W.	6	4	N.	O.		T.
Monday, 27,	29.92	33	36	30	68	55	62	N. W.	N. W.	15	20	F.	F.		0.00
Tuesday, 28,	30.14	24	28	20	66	50	58	N. W.	N. W.	12	11	C.	O.		0.00
Wednes'y, 29,	30.32	20	27	12	63	63	63	N.	S.	8	8	O.	O.		0.00
Thursday, 30,	30.20	33	40	26	84	74	79	N. W.	N. W.	5	16	O.	C.		0.00
Friday, 31,	30.39	26	32	20	44	80	62	N. W.	S. E.	12	9	C.	O.		0.00
Saturday, Feb. 1,	29.90	34	40	28	94	100	97	S. E.	W.	9	11	R.	O.		0.62
Week, - -	30.13		34	23			72								0.62

* O., Cloudy; C., Clear; F., Fair; G., Fog; H., Hazy; S., Smoky; R., Rain; T., Threatening; N., Snow.

MONTHLY MORTALITY

In 9 smaller towns of Massachusetts, as reported to the State Board of Health for the month of January.

The total death rate of reporting towns was 15.3.

TOWNS.	POPULATION.	Reported Deaths in Each.	Deaths under five years of age.	DEATHS FROM				
				Infectious Diseases.	Acute lung Diseases.	Consumption.	Typhoid Fever.	Diphtheria and Croup.
Amesbury,	9,984	13	3	1	2	2	..	1
Leominster,	9,214	18	6	..	2	1	..	..
Watertown,	7,788	5	0	..	..	..	..	..
Revere.	7,437	9	2	1	1	..	1	..
Orange,	5,357	6	2	..	1	..	..	..
Hudson,	5,306	6	2	..	1	1	..	..
Easthampton.	4,790	5	2	..	..	..	..	..
Merrimac,	2,302	5	1	1	1	..	..	..
Acushnet.	1,116	1	0	..	..	..	..	..
		..	..	..	..	..	..	..
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Total of reporting towns,	53,294	68	18	3	8	4	1	1

Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

—OF—

MASSACHUSETTS

FOR THE

Week ending Saturday, Feb. 8, 1896.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XIV. No. 6.

Entered at the post-office at Boston as second-class matter.

This publication contains the returns of deaths made each week to the State Board of Health from cities and towns in Massachusetts having over 10,000 inhabitants in each. Once in each month it also contains the returns of deaths from such other towns as report to the Board.

It also contains the reports of cases of infectious diseases returned by the boards of health of cities and towns.

Once in each month the work done under the Food and Drug Acts is also reported in this bulletin.

STATE BOARD OF HEALTH.

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GERARD C. TOBEY, Esq., Wareham.
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CHARLES H. PORTER, Quincy.
JULIAN A. MEAD, M.D., Watertown.

SAMUEL W. ABBOTT, M.D., *Secretary.*

MORTALITY OF MASSACHUSETTS

For the Week ending February 8, 1896.

Deaths reported to the State Board of Health in 30 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report will in future be published weekly, and will contain the returns from all cities and towns having a population of more than 10,000 inhabitants. A monthly report will also be issued, to contain the returns from all reporting towns for the month.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

The population employed in this summary is that of the State census of 1895, and is subject to slight changes, which will be published after the final revision is made.

CITIES AND TOWNS.	Population. 1895.	Reported Deaths in Each.	Deaths under five years.	Deaths from				
				Principal Infectious Diseases.	Acute lung Diseases.	Diarrhœal Diseases.	Typhoid Fever.	Diphtheria and Croup.
Boston,	494,205	224	56	14	50	..	2	10
Worcester,	98,687	28	12	4	3	..	..	..
Fall River,	88,020	36	5	8	11	5	1	1
Lowell,	84,359	26	8	2	5	..	2	..
Cambridge,	81,519	35	11	4	7	1	..	2
Lynn,	62,355	18	3	2	2	..	..	1
New Bedford,	55,254	28	12	3	3	2	..	..
Somerville,	52,193	15	4	3	3	..	..	2
Lawrence,	52,153	25	11	7	2	2	1	3
Springfield,	51,534	20	2	1	2	..	1	..
Holyoke,	40,149	..	..	..	..	..	..	..
Salem,	34,437	19	4	..	7	..	..	..
Brockton,	33,157	11	2	..	1	..	..	..
Chelsea,	31,295	10	4	1	..	..	..	..
Haverhill,	30,185	7	0	..	2	..	..	..
Malden,	29,706	3	2	..	2	..	..	..
Gloucester,	27,663	..	..	..	..	..	..	..
Newton,	27,622	3	1	..	..	..	..	..
Taunton,	27,093	..	..	..	..	..	..	..
Fitchburg,	26,394	5	1	..	1	..	..	..
Waltham,	20,877	7	0	..	..	..	..	..
Quincy,	20,712	..	..	..	..	..	..	..
Pittsfield,	20,447	2	0	..	2	..	..	..
North Adams,	19,127	5	2	1	..	..	..	..
Everett,	18,578	5	0	..	1	..	..	..
Northampton,	16,738	6	2	..	..	..	..	..
Chicopee,	16,427	..	..	..	..	..	..	..
Brookline,	16,159	6	2	..	..	..	..	..
Marlborough,	14,980	..	..	..	..	..	..	..
Newburyport,	14,554	7	3	1	1	..	1	..
Medford,	14,480	6	1	..	1	..	..	..
Woburn,	14,176	8	5	1	..	..	..	1
Melrose,	11,966	4	1	..	1	..	..	..
Hyde Park,	11,828	2	1	..	..	..	..	..
Beverly,	11,802	..	..	..	..	..	..	..
Clinton,	11,500	3	0	..	..	..	..	..
Weymouth,	11,285	..	..	..	..	..	..	..
Westfield,	10,659	4	1	..	..	..	..	..
Peabody,	10,510	..	..	..	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under five.	Infectious Diseases.	Acute lung Diseases.	Diarrhœal Diseases.	Typhoid Fever.	Diphtheria and Croup.
Total of reporting towns,	1,534,164	578	156	52	107	10	8	20

DEATHS FROM PREVALENT DISEASES IN 30 CITIES AND LARGER TOWNS OF MASSACHUSETTS.

Fifty-two deaths were reported from the principal infectious diseases: diphtheria and croup, 20; diarrhœal diseases, 10; typhoid fever, 8; cerebro-spinal meningitis, 7; whooping-cough, 4; measles and erysipelas, 1 each.

No deaths were reported from small-pox, malarial fever and puerperal fever.

There were 107 deaths from acute lung diseases; consumption, 62; and still-births, 37.

From cerebro-spinal meningitis: Lynn, New Bedford, Somerville and North Adams, 1 each. From whooping-cough: Boston, 2; Worcester and Lawrence, 1 each. From measles: Chelsea, 1. From erysipelas: Cambridge, 1.

Deaths under five years of age numbered 136, as compared with 131 for the preceding week.

Deaths from the principal infectious diseases numbered 52, as compared with 52 for the preceding week.

The death rates for the week were: Boston, 23.56; Worcester, 14.75; Fall River, 21.26; Lowell, 16.02; Cambridge, 22.32; Lynn, 14.99; New Bedford, 26.34; Somerville, 14.94; Lawrence, 24.92; Springfield, 20.18; Holyoke, ——; Salem, 28.69; Brockton, 17.25; Chelsea, 16.61; Haverhill, 12.05; Malden, 5.25; Gloucester, ——; Newton, 5.64; Taunton, ——; Fitchburg, 9.85; Waltham, 17.43; Quincy, ——; Pittsfield, 5.08; North Adams, 13.60; Everett, 14.00; Northampton, 18.64; Chicopee, ——; Marlborough, ——; Newburyport, 24.99; Medford, 21.54; Woburn, 29.34.

The total death rate for the week was 19.95, against 16.95 and 18.72 for the previous two weeks.

CASES OF INFECTIOUS DISEASES REPORTED TO THE STATE BOARD OF HEALTH DURING THE WEEK ENDING FEBRUARY 8, 1896.

(Under the Provisions of Chapter 302 of the Acts of 1893.)

Scarlet fever, ...	100.	Measles, ...	114.
Diphtheria and croup, ...	207.	Typhoid fever, ...	28.

(SIGNED) S. W. ABBOTT, M.D., *Secretary of the State Board of Health.*

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROMETER.	THERMOMETER.			RELATIVE HUMIDITY.		DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*		RAIN-FALL	
Week ending Saturday, Feb. 8, 1896.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A. M.	8 P. M.	MEAN.	8 A. M.	8 P. M.	8 A. M.	8 P. M.	8 A. M.	8 P. M.	HOURS DURATION.	AMOUNT IN INCHES.
Sunday, 2,	29.68	34	40	28	77	79	78	W.	N.W.	20	17	C.	C.		0.00
Monday, 3,	29.98	25	30	20	66	75	81	N.	N.	12	12	O.	O.		T.
Tuesday, 4,	29.90	30	35	26	91	95	93	N.	N. E.	14	13	N.	N.		0.06
Wednes'y, 5,	30.00	34	37	32	98	98	98	N. E.	E.	12	10	N.	O.		0.10
Thursday, 6,	29.38	43	50	36	96	98	97	E.	S. E.	14	16	R.	O.		1.80
Friday, 7,	29.26	41	45	37	71	72	72	W.	W.	34	19	O.	O.		0.08
Saturday, 8,	29.91	39	44	34	61	56	58	W.	W.	21	9	C.	C.		0.00
Week, - -	29.59		40	30			82								2.04

* O., Cloudy; C., Clear; F., Fair; G., Fog; H., Hazy; S., Smoky; R., Rain; T., Threatening; N., Snow.

INSPECTION OF FOOD AND DRUGS.

The following summary presents the results of the examinations of Food and Drugs by the State Board of Health in the month of January: —

ARTICLES EXAMINED.	Number found to be of good quality.	Number adulterated or varying from the legal standard.	TOTAL.	ARTICLES EXAMINED.	Number found to be of good quality.	Number adulterated or varying from the legal standard.	TOTAL.
Milk,	188	106	294	Maple Syrup,	3	2	5
Butter,	41	..	41	Canned Goods,	6	0	6
Cheese,	7	0	7	Honey,	2	1	3
Lard,	5	0	5	Tea,	13	0	13
Olive Oil,	2	0	2	Coffee,	8	2	10
Vinegar,	2	3	5	Cocoa,	10	5	15
Spices,	178	18	196	Confectionery,	19	0	19
Cream of Tartar,	62	1	63	Other articles of Food and Drinks,	4	6	10
Molasses,	5	0	5	Drugs,	28	28	56
Syrups,	0	2	2				
Maple Sugar,	1	0	1				
				Totals,	584	174	758

Percentage of adulteration, 22.9. The actual ratio of adulteration is very much less than this, since it is only suspicious articles of food to which the attention of the Board is directed. Certain staple products, such as sugar, flour and the various other cereal products, are very rarely adulterated, and require but little inspection. The work of the Board is, therefore, mainly devoted to the inspection of such articles as it has found, by several years of experience, to be especially liable to adulteration.

The ratio of samples of Milk found to be adulterated was 36.0 per cent., as compared with 45.0 per cent. for the preceding month, while the percentage of other articles of food and drugs was 14.6.

Three complaints were entered in the courts during the mouth for violation of the laws relative to the inspection of Food and Drugs. All of these were for violation of the statutes relative to the sale of Milk. Fines were imposed amounting to $112.80.

The samples of Drugs found to be adulterated were Compound Spirits of Ether, Distilled Water, Powdered Opium, Tincture of Iodine, and Whiskey.

Cities and towns from which samples of food were collected were: Boston Lowell, Cambridge, Somerville, Holyoke, Salem, Chelsea, Malden, Newtou, Fitchburg, Waltham, Everett, Woburn, Brookline, Clinton, Hyde Park, Marblehead, Melrose, Peabody, Stoneham, Swampscott, Watertown, Wellesley, Weston and Winthrop.

Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

—OF—

MASSACHUSETTS

FOR THE

Week ending Saturday, Feb. 15, 1896.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XIV. No. 7.

Entered at the post-office at Boston as second-class matter.

This publication contains the returns of deaths made each week to the State Board of Health from cities and towns in Massachusetts having over 10,000 inhabitants in each. Once in each month it also contains the returns of deaths from such other towns as report to the Board.

It also contains the reports of cases of infectious diseases returned by the boards of health of cities and towns.

Once in each month the work done under the Food and Drug Acts is also reported in this bulletin.

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CHARLES H. PORTER, Quincy.
JULIAN A. MEAD, M.D., Watertown.

SAMUEL W. ABBOTT, M.D., *Secretary.*

MORTALITY OF MASSACHUSETTS

For the Week ending February 15, 1896.

Deaths reported to the State Board of Health in 28 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report will in future be published weekly, and will contain the returns from all cities and towns having a population of more than 10,000 inhabitants. A monthly report will also be issued, to contain the returns from all reporting towns for the month.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

The population employed in this summary is that of the State census of 1895, and is subject to slight changes, which will be published after the final revision is made.

CITIES AND TOWNS.	Population. 1895.	Reported Deaths in Each.	Deaths under five years.	Deaths from				
				Principal Infectious Diseases.	Acute lung Diseases.	Typhoid Fever.	Diphtheria and Croup.	Scarlet-fever.
Boston,	494,205	207	66	23	39	4	12	4
Worcester,	98,687	37	17	4	6	..	2	..
Fall River,	88,020	37	11	3	8	1	..	1
Lowell,	84,359	40	14	4	9	2	1	..
Cambridge,	81,519	29	6	1	7	..	..	..
Lynn,	62,355	30	9	2	..	..	2	..
New Bedford,	55,254	19	7	..	4	..	..	..
Somerville,	52,193	..	..	..	..	..	..	..
Lawrence,	52,153	20	3	..	4	..	..	..
Springfield,	51,534	14	1	2	3	..	..	..
Holyoke,	40,149	..	..	..	..	..	..	..
Salem,	34,437	13	2	..	1	..	..	..
Brockton,	33,157	7	1	1	..	..	1	..
Chelsea,	31,295	15	7	1	6	..	1	..
Haverhill,	30,185	10	2	3	2	1	2	..
Malden,	29,706	8	1	..	..	..	..	..
Gloucester,	27,663	..	..	..	..	..	..	..
Newton,	27,622	9	3	..	1	..	..	..
Taunton,	27,093	14	3	1	..	..	1	..
Fitchburg,	26,394	4	1	..	..	..	..	..
Waltham,	20,877	9	2	1	2	..	..	1
Quincy,	20,712	1	0	..	..	..	..	..
Pittsfield,	20,447	..	..	..	..	..	..	..
North Adams,	19,127	10	1	..	1	..	..	..
Everett,	18,578	6	1	..	1	..	..	..
Northampton,	16,738	5	1	..	..	..	..	..
Chicopee,	16,427	..	..	..	..	..	..	..
Brookline,	16,159	4	0	..	..	..	..	..
Marlborough,	14,980	..	..	..	..	..	..	..
Newburyport,	14,554	5	2	1	..	..	1	..
Medford,	14,480	..	..	..	..	..	..	..
Woburn,	14,176	5	3	2	..	..	1	..
Melrose,	11,966	3	0	3	..	..	1	..
Hyde Park,	11,828	..	..	..	..	..	..	..
Beverly,	11,802	..	..	..	..	..	..	..
Clinton,	11,500	4	0	..	..	..	..	..
Weymouth,	11,285	..	..	..	..	..	..	..
Westfield,	10,659	2	1	..	..	..	..	..
Peabody,	10,510	..	..	..	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under five.	Infectious Diseases.	Acute lung Diseases.	Typhoid Fever.	Diphtheria and Croup.	Scarlet-fever.
Total of reporting towns,	1,482,021	567	165	52	94	8	25	6

DEATHS FROM PREVALENT DISEASES IN 28 CITIES AND LARGER TOWNS OF MASSACHUSETTS.

Fifty-two deaths were reported from the principal infectious diseases: diphtheria and croup, 25; typhoid fever, 8; scarlet-fever, 6; diarrhœal diseases, 4; puerperal fever, 3; measles and erysipelas, 2 each; cerebro-spinal meningitis and whooping-cough, 1 each.

No deaths were reported from small-pox and malarial fever.

There were 94 deaths from acute lung diseases; consumption, 60; and still-births, 27.

From diarrhœal diseases: Boston, Worcester, Fall River and Lowell, 1 each. From puerperal fever: Springfield, 2; Boston, 1. From measles: Melrose, 2. From erysipelas: Boston and Woburn, 1 each. From cerebro-spinal meningitis: Worcester, 1. From whooping-cough: Cambridge 1.

Deaths under five years of age numbered 165, as compared with 156 for the preceding week.

Deaths from the principal infectious diseases numbered 52, as compared with 52 for the preceding week.

The death rates for the week were: Boston, 21.77; Worcester, 19 49; Fall River, 21.85; Lowell, 24.65; Cambridge, 18.49; Lynn, 24.99; New Bedford, 17.87; Somerville, ——; Lawrence, 19.94; Springfield, 14.12; Holyoke, ——; Salem, 19.63; Brockton, ——; Chelsea, 24.91; Haverhill, 17.22; Malden, 13.00; Gloucester, ——; Newton, 16.93; Taunton, 26.92; Fitchburg, 7.88; Waltham, 22.41; Quincy, 2.50; Pittsfield. ——; North Adams, 27.20; Everett, 16.80; Northampton, 17.85; Chicopee, ——; Marlborough, ——; Newburyport, 17.85; Medford, ——; Woburn, 18.34.

The total death rate for the week was 19.89, against 19.95 and 16.95 for the previous two weeks.

CASES OF INFECTIOUS DISEASES REPORTED TO THE STATE BOARD OF HEALTH DURING THE WEEK ENDING FEBRUARY 15, 1896.

(Under the Provisions of Chapter 302 of the Acts of 1893.)

Scarlet fever,	70.	Measles,	117.
Diphtheria and croup,	203.	Typhoid fever,	46.

(SIGNED) S. W. ABBOTT, M.D., *Secretary of the State Board of Health.*

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROMETER.	THERMOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.			STATE OF WEATHER.*			RAIN-FALL.	
Week ending Saturday, Feb. 15, 1896.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A. M.	8 P. M.	MEAN.	8 A. M.	8 P. M.	8 A. M.	8 P. M.		8 A. M.	8 P. M.		HOURS DURATION.	AMOUNT IN INCHES.
Sunday, 9,	29.52	32	36	28	96	100	98	E.	N. W.	22	16		N.	N.			0.48
Monday, 10,	29.64	30	36	24	65	59	62	W.	W.	15	14		O.	C.			T.
Tuesday, 11,	29.56	32	39	25	73	61	67	W.	N. W.	14	26		C.	C.			T.
Wednes'y, 12,	30.10	28	34	22	50	63	56	W.	W.	15	16		N.	C.			0.00
Thursday, 13,	29.88	30	37	22	61	100	80	S.	N. W.	5	8		C.	R.			0.44
Friday, 14,	29.82	30	35	26	70	62	66	N. W.	W.	24	22		O.	C.			0.09
Saturday, 15,	29.98	36	49	24	58	63	60	S. W.	S. W.	14	16		O.	O.			0.00
Week, - -	29.79		38	24			70										1.51

* O., Cloudy; C., Clear; F., Fair; G., Fog; H., Hazy; S., Smoky; R., Rain; T., Threatening; N., Snow.

Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

—OF—

MASSACHUSETTS

FOR THE

Week ending Saturday, Feb. 22, 1896.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XIV. No. 8.

Entered at the post-office at Boston as second-class matter.

This publication contains the returns of deaths made each week to the State Board of Health from cities and towns in Massachusetts having over 10,000 inhabitants in each. Once in each month it also contains the returns of deaths from such other towns as report to the Board.

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SAMUEL W. ABBOTT, M.D., *Secretary.*

MORTALITY OF MASSACHUSETTS

For the Week ending February 22, 1896.

Deaths reported to the State Board of Health in 29 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report will in future be published weekly, and will contain the returns from all cities and towns having a population of more than 10,000 inhabitants. A monthly report will also be issued, to contain the returns from all reporting towns for the month.

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The population employed in this summary is that of the State census of 1895, and is subject to slight changes, which will be published after the final revision is made.

CITIES AND TOWNS.	Population. 1895.	Reported Deaths in Each.	Deaths under five years.	Deaths from				
				Principal Infectious Diseases.	Acute lung Diseases.	Diarrhœal Diseases.	Typhoid Fever.	Diphtheria and Croup.
Boston,	494,205	242	78	25	54	..	1	18
Worcester,	98,687	32	11	8	6	4	1	..
Fall River,	88,020	31	13	7	8	2	..	4
Lowell,	84,359	32	12	3	2	..	3	..
Cambridge,	81,519	22	7	4	2	..	..	4
Lynn,	62,355	22	..	3	3	..	1	1
New Bedford,	55,254	18	5	1	5	..	1	..
Somerville,	52,193	14	6	3	4	..	..	1
Lawrence,	52,153	22	3	..	2	..	..	..
Springfield,	51,534	16	6	3	3	..	..	2
Holyoke,	40,149	..	..	..	..	..	..	..
Salem,	34,437	13	1	1	4	1	..	..
Brockton,	33,157	7	0	1	2	..	..	..
Chelsea,	31,295	17	8	..	4	..	..	..
Haverhill,	30,185	13	2	3	..	..	..	3
Malden,	29,706	8	1	..	1	..	..	..
Gloucester,	27,663	..	..	..	..	..	..	..
Newton,	27,622	..	..	..	..	..	..	..
Taunton,	27,093	8	1	1	2	..	..	..
Fitchburg,	26,394	6	5	..	2	..	..	..
Waltham,	20,877	7	3	..	..	..	..	..
Quincy,	20,712	..	..	..	..	..	..	..
Pittsfield,	20,447	4	2	..	1	..	..	..
North Adams,	19,127	7	0	..	..	..	..	..
Everett,	18,578	9	3	2	1	..	..	2
Northampton,	16,738	3	2	..	..	..	..	..
Chicopee,	16,427	..	..	..	..	..	..	..
Brookline,	16,159	3	0	..	..	..	..	..
Marlborough,	14,980	..	..	..	..	..	..	..
Newburyport,	14,554	4	2	..	1	..	..	..
Medford,	14,480	4	1	..	..	..	..	..
Woburn,	14,176	3	3	..	..	..	..	..
Melrose,	11,966	3	0	..	..	..	..	..
Hyde Park,	11,828	..	..	..	..	..	..	..
Beverly,	11,802	..	..	..	..	..	..	..
Clinton,	11,500	3	0	..	..	..	..	..
Weymouth,	11,285	..	..	..	..	..	..	..
Westfield,	10,659	6	1	..	..	..	..	..
Peabody,	10,510	..	..	..	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under five.	Infectious Diseases.	Acute lung Diseases.	Diarrhœal Diseases.	Typhoid Fever.	Diphtheria and Croup.
Total of reporting towns,	1,521,807	579	176	65	107	7	7	35

DEATHS FROM PREVALENT DISEASES IN 29 CITIES AND LARGER TOWNS OF MASSACHUSETTS.

Forty-four deaths were reported from the principal infectious diseases: diphtheria and croup, 35; typhoid fever, diarrhœal diseases and cerebro-spinal meningitis, each 7; scarlet-fever, 4; whooping-cough, 3; measles, 1.

No deaths were reported from small-pox, erysipelas and puerperal fever.

There were 107 deaths from acute lung diseases; consumption, 65; and still-births, 48.

From cerebro-spinal meningitis: Boston, Worcester and Somerville, 2 each; Taunton, 1. From scarlet-fever: Boston, 2; Worcester and Fall River, 1 each. From whooping-cough: Boston, 2; Lynn, 1. From measles: Springfield, 1.

Deaths under five years of age numbered 107, as compared with 94 for the preceding week.

Deaths from the principal infectious diseases numbered 44, as compared with 52 for the preceding week.

The death rates for the week were: Boston, 25.45; Worcester, 16 86; Fall River, 18.31; Lowell, 20.32; Cambridge, 14.03; Lynn, 18.32; New Bedford, 16.93; Somerville, 13.94; Lawrence, 21.93; Springfield, 16.14; Holyoke, ——; Salem, 19.63; Brockton, ——; Chelsea, 28.32; Haverhill, 22.38; Malden, 10.16; Gloucester, ——; Newton, ——; Taunton, 15.38; Fitchburg, 11.82; Waltham, 17.43; Quincy, ——; Pittsfield. 10.16; North Adams, 19.04; Everett, 19.20; Northampton, 9.32; Chicopee, ——; Marlborough, ——; Newburyport, 14.28; Medford, 15.36; Woburn, 10.90.

The total death rate for the week was 19.78, as compared with 19.89 and 19.95 for the previous two weeks.

CASES OF INFECTIOUS DISEASES REPORTED TO THE STATE BOARD OF HEALTH DURING THE WEEK ENDING FEBRUARY 22, 1896.

(Under the Provisions of Chapter 302 of the Acts of 1893.)

Scarlet fever, ...	75.	Measles, ...	105.
Diphtheria and croup, ...	180.	Typhoid fever, ...	7.

(SIGNED) S. W. ABBOTT, M.D., *Secretary of the State Board of Health.*

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*		RAIN-FALL.	
Week ending Saturday, Feb. 22, 1896.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A. M.	8 P. M.	MEAN.	8 A. M.	8 P. M.	8 A. M.	8 P. M.	8 A. M.	8 P. M.	HOURS DURATION.	AMOUNT IN INCHES.
Sunday, 16,	30.05	22	43	2	100	58	79	N.W.	N.W.	12	12	N.	C.		0.14
Monday, 17,	30.43	2	8	11	78	45	62	N.W.	N.	20	12	C.	C.		0.00
Tuesday, 18,	30.16	12	25	0	86	84	85	N.	N. E.	15	20	N.	N.		T.
Wednes'y, 19,	29.56	23	32	14	97	100	98	N.W.	S. E.	6	24	N.	N.		0.11
Thursday, 20,	29.59	19	25	13	67	60	64	W.	W.	16	14	C.	C.		0.04
Friday, 21,	29.98	18	25	11	69	56	62	N.W.	W.	10	21	C.	F.		0.00
Saturday, 22,	30.18	18	29	8	52	44	48	W.	W.	14	11	C.	F.		0.00
Week, - -	29.99		27	5			71								0.29

* O., Cloudy; C., Clear; F., Fair; G., Fog; H., Hazy; S., Smoky; R., Rain; T., Threatening; N., Snow.

Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

—OF—

MASSACHUSETTS

FOR THE

Week ending Saturday, Feb. 29, 1896.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XIV. No. 9.

Entered at the post-office at Boston as second-class matter.

This publication contains the returns of deaths made each week to the State Board of Health from cities and towns in Massachusetts having over 10,000 inhabitants in each. Once in each month it also contains the returns of deaths from such other towns as report to the Board.

It also contains the reports of cases of infectious diseases returned by the boards of health of cities and towns.

Once in each month the work done under the Food and Drug Acts is also reported in this bulletin.

STATE BOARD OF HEALTH.

HENRY P. WALCOTT, M.D., Cambridge, *Chairman.*
GERARD C. TOBEY, Esq., Wareham.
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HIRAM F. MILLS, C.E., Lawrence.
JAMES W. HULL, Pittsfield.
CHARLES H. PORTER, Quincy.
JULIAN A. MEAD, M.D., Watertown.

SAMUEL W. ABBOTT, M.D., *Secretary.*

MORTALITY OF MASSACHUSETTS

For the Week ending February 29, 1896.

Deaths reported to the State Board of Health in 31 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report will in future be published weekly, and will contain the returns from all cities and towns having a population of more than 10,000 inhabitants. A monthly report will also be issued. to contain the returns from all reporting towns for the month.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

The population employed in this summary is that of the State census of 1895, and is subject to slight changes, which will be published after the final revision is made.

CITIES AND TOWNS.	POPULATION. 1895.	Reported Deaths in Each.	Deaths under five years.	DEATHS FROM				
				Principal Infectious Diseases.	Acute lung Diseases.	Diarrhœal Diseases.	Diphtheria and Croup.	Cerebro-spinal Meningitis.
Boston,	494,205	243	59	16	48	1	12	..
Worcester,	98,687	27	9	2	9	..	1	1
Fall River,	88,020	22	6	2	10	1	..	..
Lowell,	84,359	40	16	1	9	1	..	..
Cambridge,	81,519	29	8	2	11	..	2	..
Lynn,	62,355	21	4	4	2	1	1	1
New Bedford,	55,254	26	12	..	1	..	..	..
Somerville,	52,193	16	3	1	3	..	..	1
Lawrence,	52,153	15	4	..	2	..	..	..
Springfield,	51,534	16	1	..	2	..	..	..
Holyoke,	40,149	..	..	..	..	..	..	..
Salem,	34,437	15	3	1	..	..	1	..
Brockton,	33,157	6	1	1	..	..	1	..
Chelsea,	31,295	18	3	1	4	..	..	1
Haverhill,	30,185	7	1	2	..	2	..	..
Malden,	29,706	12	1	1	5	..	..	1
Gloucester,	27,663	..	..	..	..	..	..	..
Newton,	27,622	11	2	..	2	..	..	..
Taunton,	27,093	13	2	1	..	..	1	..
Fitchburg,	26,394	12	4	1	..	..	1	..
Waltham,	20,877	3	1	1	..	..	..	..
Quincy,	20,712	2	1	..	..	..	..	..
Pittsfield,	20,447	5	1	..	..	..	..	..
North Adams,	19,127	6	4	..	..	..	..	..
Everett,	18,578	5	2	..	2	..	..	..
Northampton,	16,738	..	..	..	..	..	..	..
Chicopee,	16,427	..	..	..	..	..	..	..
Brookline,	16,159	5	1	..	1	..	..	..
Marlborough,	14,980	..	..	..	..	..	..	..
Newburyport,	14,554	7	2	1	1	..	..	..
Medford,	14,480	4	1	..	..	..	..	..
Woburn,	14,176	4	0	..	..	..	..	..
Melrose,	11,966	3	0	..	..	..	..	..
Hyde Park,	11,828	3	2	..	..	..	..	..
Beverly,	11,802	..	..	..	..	..	..	..
Clinton,	11,500	3	0	1	..	1	..	..
Weymouth,	11,285	..	..	..	..	..	..	..
Westfield,	10,659	3	0	..	1	..	..	..
Peabody,	10,510	..	..	..	..	..	..	..

RECAPITULATION.

	POPULATION.	Deaths.	Deaths under five.	Infectious Diseases.	Acute lung Diseases.	Diarrhœal Diseases.	Diphtheria and Croup.	Cerebro-spinal Meningitis.
Total of reporting towns,	1,565,231	602	154	39	113	7	20	5

DEATHS FROM PREVALENT DISEASES IN 31 CITIES AND LARGER TOWNS OF MASSACHUSETTS.

Thirty-nine deaths were reported from the principal infectious diseases: diphtheria and croup, 20; diarrhœal diseases, 7; cerebro-spinal meningitis, 5; typhoid fever, 3; scarlet-fever, 2; measles and whooping-cough, 1 each.

No deaths were reported from small-pox, erysipelas, malarial fever and puerperal fever.

There were 113 deaths from acute lung diseases: consumption, 69; and still-births, 42.

From typhoid fever: Boston, 2; Waltham, 1. From scarlet-fever: Boston and Fall River, 1 each. From measles: Newburyport, 1. From whooping-cough: Lynn, 1.

Deaths under five years of age numbered 154, as compared with 176 for the preceding week.

Deaths from the principal infectious diseases numbered 39, as compared with 65 for the preceding week.

The death rates for the week were: Boston, 25.56; Worcester, 14.22; Fall River, 18.49; Lowell, 24.64; Cambridge, 18.49; Lynn, 17.49; New Bedford, 24.46; Somerville, 15.94; Lawrence, 14.95; Springfield, 10.74; Holyoke, ——; Salem, 21.15; Brockton, 9.40; Chelsea, 27.25; Haverhill, 9.05; Malden, 21.00; Gloucester, ——; Newton, 20.70; Taunton, 24.99; Fitchburg, 23.64; Waltham, 7.47; Quincy, 5.00; Pittsfield. 12.70; North Adams, 16.32; Everett, 14.00; Northampton, ——; Chicopee, ——; Marlborough, ——; Newburyport, 24.99; Medford, 14.26; Woburn, 14.67.

The total death rate for the week was 19.93, as compared with 19.78 and 19.89 for the previous two weeks.

CASES OF INFECTIOUS DISEASES REPORTED TO THE STATE BOARD OF HEALTH DURING THE WEEK ENDING FEBRUARY 29, 1896.

(Under the Provisions of Chapter 302 of the Acts of 1893.)

Small-pox,	One.		
Scarlet fever,	70.	Measles,	101.
Diphtheria and croup,	174.	Typhoid fever,	11.
Glanders,	One.		

(SIGNED) S. W. ABBOTT, M.D., *Secretary of the State Board of Health.*

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROMETER.	THERMOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*		RAIN-FALL.	
Week ending Saturday, Feb. 29, 1896.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A. M.	8 P. M.	MEAN.	8 A. M.	8 P. M.	8 A. M.	8 P. M.	8 A. M.	8 P. M.	HOURS DURATION.	AMOUNT IN INCHES.
Sunday, 23,	29.88	36	48	24	48	67	58	W.	W.	12	22	O.	O.		0.00
Monday, 24,	29.76	40	48	33	55	63	59	W.	W.	19	16	C.	C.		0.00
Tuesday, 25,	29.94	20	30	10	52	41	46	N.W.	N.	14	20	C.	C.		0.00
Wednes'y, 26,	29.86	16	24	7	47	72	58	W.	S.	7	6	F.	C.		0.00
Thursday, 27,	29.94	28	38	17	73	60	66	N.W.	S.W.	5	10	C.	C.		0.00
Friday, 28,	30.01	42	56	28	86	83	84	S.	S.W.	9	8	O.	O.		0.00
Saturday, 29,	29.84	44	52	37	96	94	95	E.	E.	8	18	O.	O.		0.38
Week, - -															

* O., Cloudy; C., Clear; F., Fair; G., Fog; H., Hazy; S., Smoky; R., Rain; T., Threatening; N., Snow.

Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

—OF—

MASSACHUSETTS

FOR THE

Week ending Saturday, March 7, 1896.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XIV. No. 10.

Entered at the post-office at Boston as second-class matter.

This publication contains the returns of deaths made each week to the State Board of Health from cities and towns in Massachusetts having over 10,000 inhabitants in each. Once in each month it also contains the returns of deaths from such other towns as report to the Board.

It also contains the reports of cases of infectious diseases returned by the boards of health of cities and towns.

Once in each month the work done under the Food and Drug Acts is also reported in this bulletin.

STATE BOARD OF HEALTH.

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CHARLES H. PORTER, Quincy.
JULIAN A. MEAD, M.D., Watertown.

SAMUEL W. ABBOTT, M.D., *Secretary.*

MORTALITY OF MASSACHUSETTS

For the Week ending March 7, 1896.

Deaths reported to the State Board of Health in 31 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report will in future be published weekly, and will contain the returns from all cities and towns having a population of more than 10,000 inhabitants. A monthly report will also be issued, to contain the returns from all reporting towns for the month.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

The population employed in this summary is that of the State census of 1895,

CITIES AND TOWNS.	POPULATION. 1895.	Reported Deaths in Each.	Deaths under five years.	DEATHS FROM				
				Principal Infectious Diseases.	Acute lung Diseases.	Typhoid Fever.	Diphtheria and Croup.	Scarlet Fever.
Boston,	496,920	227	59	14	61	..	8	3
Worcester,	98,767	26	11	4	2	..	3	..
Fall River,	89,203	33	6	5	10	..	1	1
Lowell,	84,367	31	12	4	9	2	..	..
Cambridge,	81,643	23	9	2	3	..	1	..
Lynn,	62,354	26	13	4	5	1	1	..
New Bedford,	55,251	23	7	1	4	..	..	..
Somerville,	52,200	15	9	5	6	1	2	..
Lawrence,	52,164	15	5	2	3	1	1	..
Springfield,	51,522	9	1	1	..	..	..	..
Holyoke,	40,322	..	..	..	..	..	..	..
Salem,	34,473	10	3	1	..	..	..	..
Brockton,	33,165	8	3	2	..	..	1	1
Chelsea,	31,264	17	4	1	4	..	..	..
Haverhill,	30,209	4	0	..	1	..	..	..
Malden,	29,709	6	1	..	2	..	..	..
Gloucester,	28,211	..	..	..	..	..	..	..
Newton,	27,590	10	3	1	2	..	1	..
Taunton,	27,115	7	1	1	..	..	1	..
Fitchburg,	26,409	8	1	..	2	..	..	..
Waltham,	20,876	8	2	..	1	..	..	..
Quincy,	20,712	3	2	..	..	..	..	..
Pittsfield,	20,461	3	0	..	1	..	..	..
North Adams,	19,135	4	3	..	..	..	..	..
Everett,	18,573	2	0	1	..	1	..	..
Northampton,	16,746	1	0	..	1	..	..	..
Chicopee,	16,420	..	..	..	..	..	..	..
Brookline,	16,164	6	0	..	..	..	..	..
Marlborough,	14,977	..	..	..	..	..	..	..
Newburyport,	14,552	5	3	..	..	..	..	..
Medford,	14,474	1	0	..	..	..	..	..
Woburn,	14,178	..	..	..	..	..	..	..
Melrose,	11,965	3	0	..	..	..	..	..
Hyde Park,	11,826	1	0	..	..	..	..	..
Beverly,	11,806	..	..	..	..	..	..	..
Clinton,	11,497	4	0	..	..	..	..	..
Weymouth,	11,291	..	..	..	..	..	..	..
Westfield,	10,663	1	0	..	..	..	..	..
Peabody,	10,507	..	..	..	..	..	..	..

RECAPITULATION.

	POPULATION.	Deaths.	Deaths under five.	Infectious Diseases.	Acute lung Diseases.	Typhoid Fever.	Diphtheria and Croup.	Scarlet Fever.
Total of reporting towns,	1,571,969	549	158	49	117	6	20	5

DEATHS FROM PREVALENT DISEASES IN 31 CITIES AND LARGER TOWNS OF MASSACHUSETTS.

Forty-nine deaths were reported from the principal infectious diseases: diphtheria and croup, 20; typhoid fever, 6; cerebro-spinal meningitis, 6; scarlet-fever, 5; diarrhœal diseases, 5; erysipelas 3; whooping-cough, 2; measles and malarial fever, 1 each.

No deaths were reported from small-pox and puerperal fever.

There were 117 deaths from acute lung diseases; consumption, 61; and still-births, 34.

From cerebro-spinal meningitis: Lynn and Somerville, 2 each; New Bedford and Chelsea, 1 each. From diarrhœal diseases: Fall River, 3; Lowell and Cambridge, 1 each. From erysipelas: Boston, 2; Worcester, 1. From whooping-cough: Lowell and Salem, 1 each. From measles: Springfield, 1. From malarial fever: Boston, 1.

Deaths under five years of age numbered 158, as compared with 154 for the preceding week.

Deaths from the principal infectious diseases numbered 49, as compared with 39 for the preceding week.

The death rates for the week were: Boston, 23.75; Worcester, 13 68; Fall River, 19.23; Lowell, 19.10; Cambridge, 14.64; Lynn, 21.65; New Bedford, 21.64; Somerville, 14.94; Lawrence, 14.94; Springfield, 9.08; Holyoke, ——; Salem, 15.08; Brockton, 9.54; Chelsea, 28.23; Haverhill, 6.80; Malden, 10.50; Gloucester, ——: Newton, 18.85; Taunton, 13.42; Fitchburg, 15.76; Waltham, 19.92; Quincy, 7.50; Pittsfield. 7.62; North Adams, 10.88; Everett, 5.60; Northampton, ——; Chicopee, ——; Marlborough, ——; Newburyport, 17.85; Medford, 3.59; Woburn, ——.

The total death rate for the week was 17.86, against 19.93 and 19.78 for the previous two weeks.

CASES OF INFECTIOUS DISEASES REPORTED TO THE STATE BOARD OF HEALTH DURING THE WEEK ENDING MARCH 7, 1896.

(Under the Provisions of Chapter 302 of the Acts of 1893.)

Scarlet fever, ...	73.	Measles.	52.
Diphtheria and croup, ...	147.	Typhoid fever, ...	19.

(SIGNED) S. W. ABBOTT, M.D., *Secretary of the State Board of Health.*

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROMETER.	THERMOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*		RAIN-FALL.	
Week ending Saturday, March 7, 1896.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A. M.	8 P. M.	MEAN.	8 A. M.	8 P. M.	8 A. M.	8 P. M.	8 A. M.	8 P. M.	HOURS DURATION.	AMOUNT IN INCHES.
Sunday, 1,	29.44	43	47	39	100	96	98	S. E.	N. W.	12	7	R.	R.		0.99
Monday, 2,	29.44	34	42	26	94	100	97	N.	N. W.	12	27	O.	N.		0.52
Tuesday, 3,	29.49	25	29	21	86	78	82	N. W.	N. W.	25	27	O.	O.		0.30
Wednes'y, 4,	29.56	18	21	14	59	76	68	N. W.	N. W.	36	28	N.	N.		0.06
Thursday, 5,	29.76	21	28	14	50	70	60	N. W.	N. W.	26	26	O.	C.		T.
Friday, 6,	30.04	28	36	20	64	69	66	N. W.	S.	10	8	C.	O.		0.00
Saturday, 7,	29.76	34	37	31	88	82	85	S. E.	N. W.	10	12	O.	C.		0.34
Week, - -	29.64		34	23			80								2.21

* O., Cloudy; C., Clear; F., Fair; G., Fog; H., Hazy; S., Smoky; R., Rain; T., Threatening; N., Snow.

MONTHLY MORTALITY

In 8 smaller towns of Massachusetts, as reported to the State Board of Health for the month of February.

The total death rate of reporting towns was 11.8.

TOWNS.	POPULATION, 1895.	Reported Deaths in Each.	Deaths under five years of age.	DEATHS FROM				
				Infectious Diseases.	Consumption.	Diphtheria and Croup.	Cerebro-spinal meningitis.	Typhoid Fever.
Amesbury, ...	9,986	11	1	1	..	1	..	..
Leominster, ...	9,211	5	1	..	..	..	..	..
Watertown, ...	7,788	6	0	1	..	1	..	..
Revere, ...	7,423	5	0	..	1	..	..	..
Orange, ...	5,361	5	2	2	1	..	1	1
Hudson, ...	5,308	6	1	..	1	..	..	..
Merrimac, ...	2,301	4	1	1	..	..	1	..
Acushnet, . . .	1,115	6	0	..	..	..	..	..
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Total of reporting towns, . .	48,493	48	6	5	3	2	2	1

Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

—OF—

MASSACHUSETTS

FOR THE

Week ending Saturday, March 14, 1896.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XIV. No. 11.

Entered at the post-office at Boston as second-class matter.

This publication contains the returns of deaths made each week to the State Board of Health from cities and towns in Massachusetts having over 10,000 inhabitants in each. Once in each month it also contains the returns of deaths from such other towns as report to the Board.

It also contains the reports of cases of infectious diseases returned by the boards of health of cities and towns.

Once in each month the work done under the Food and Drug Acts is also reported in this bulletin.

STATE BOARD OF HEALTH.

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GERARD C. TOBEY, Esq., Wareham.
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CHARLES H. PORTER, Quincy.
JULIAN A. MEAD, M.D., Watertown.

SAMUEL W. ABBOTT, M.D., *Secretary.*

MORTALITY OF MASSACHUSETTS

For the Week ending March 14, 1896.

Deaths reported to the State Board of Health in 30 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report will in future be published weekly, and will contain the returns from all cities and towns having a population of more than 10,000 inhabitants. A monthly report will also be issued, to contain the returns from all reporting towns for the month.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

The population employed in this summary is that of the State census of 1895.

CITIES AND TOWNS.	Population, 1895.	Reported Deaths in Each.	Deaths under five years.	Deaths from				
				Principal Infectious Diseases.	Acute lung Diseases.	Typhoid Fever.	Diphtheria and Croup.	Cerebro-spinal Meningitis.
Boston,	496,920	216	76	16	50	1	8	..
Worcester,	98,767	42	8	3	5	1	..	2
Fall River,	89,203	26	10	2	10	..	1	..
Lowell,	84,367	40	17	4	10	2	2	..
Cambridge,	81,643	22	5	2	5	1	..	..
Lynn,	62,354	17	2	1	4	..	..	1
New Bedford,	55,251	23	8	2	2	1	..	..
Somerville,	52,200	14	7	1	3	1	..	..
Lawrence,	52,164	23	11	..	7	..	..	..
Springfield,	51,522	17	5	..	1	..	..	..
Holyoke,	40,322	..	..	..	..	..	..	..
Salem,	34,473	23	7	..	..	..	..	..
Brockton,	33,165	8	1	..	1	..	..	..
Chelsea,	31,264	9	2	2	1	..	1	1
Haverhill,	30,209	4	3	..	..	..	..	..
Malden,	29,709	8	1	..	1	..	..	..
Gloucester,	28,211	..	..	..	..	..	..	..
Newton,	27,590	7	1	..	1	..	..	..
Taunton,	27,115	13	3	2	..	..	2	..
Fitchburg,	26,409	15	5	1	..	..	1	..
Waltham,	20,876	4	2	..	2	..	..	..
Quincy,	20,712	4	0	..	1	..	..	..
Pittsfield,	20,461	5	0	..	1	..	..	..
North Adams,	19,135	5	0	1	1	..	..	1
Everett,	18,573	7	3	..	2	..	..	..
Northampton,	16,746	3	2	..	1	..	..	..
Chicopee,	16,420	..	..	..	..	..	..	..
Brookline,	16,164	3	1	..	1	..	..	..
Marlborough,	14,977	..	..	..	..	..	..	..
Newburyport,	14,552	4	1	..	1	..	..	..
Medford,	14,474	4	0	..	1	..	..	..
Woburn,	14,178	..	..	..	..	..	..	..
Melrose,	11,965	2	0	..	..	..	..	..
Hyde Park,	11,826	..	..	..	..	..	..	..
Beverly,	11,806	..	..	..	..	..	..	..
Clinton,	11,497	3	0	..	1	..	..	..
Weymouth,	11,291	..	..	..	..	..	..	..
Westfield,	10,663	4	1	..	1	..	..	..
Peabody,	10,507	..	..	..	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under five.	Infectious Diseases.	Acute lung Diseases.	Typhoid Fever.	Diphtheria and Croup.	Cerebro-spinal Meningitis.
Total of reporting towns,	1,560,144	575	182	37	114	7	15	5

DEATHS FROM PREVALENT DISEASES IN 30 CITIES AND LARGER TOWNS OF MASSACHUSETTS.

Thirty-seven deaths were reported from the principal infectious diseases; diphtheria and croup, 15; typhoid fever, 7; cerebro-spinal meningitis, 5; scarlet-fever, 4; whooping-cough and puerperal fever, each 2; erysipelas and diarrhœal diseases, 1 each.

No deaths were reported from small-pox, measles and malarial fever.

There were 114 deaths from acute lung diseases; consumption, 56; and still-births, 29.

From scarlet-fever: Boston, 3; Fall River, 1. From whooping-cough: Boston and Cambridge, 1 each. From puerperal fever: Boston, 2. From erysipelas: Boston, 1. From diarrhœal diseases: New Bedford, 1.

Deaths under five years of age numbered 182, as compared with 158 for the preceding week.

Deaths from the principal infectious diseases numbered 37, as compared with 49 for the preceding week.

The death rates for the week were: Boston, 22.60; Worcester, 22.11; Fall River, 15.15; Lowell, 24.65; Cambridge, 14.01; Lynn, 14.16; New Bedford, 21.64; Somerville, 13.94; Lawrence, 22.90; Springfield, 17.15; Holyoke, ——; Salem, 34.68; Brockton, 12.54; Chelsea, 14.94; Haverhill, 6.80; Malden, 14.00; Gloucester, ——; Newton, 24.93; Taunton, 19.55; Fitchburg, 29.55; Waltham, 9.96; Quincy, 10.00; Pittsfield. 12.70; North Adams, 13.50; Everett, ——; Northampton, 9.31; Chicopee, ——; Marlborough, ——; Newburyport, 14.28; Medford, 14.36; Woburn, ——.

The total death rate for the week was 19.16, against 19.93 and 17.86 for the previous two weeks.

CASES OF INFECTIOUS DISEASES REPORTED TO THE STATE BOARD OF HEALTH DURING THE WEEK ENDING MARCH 14, 1896.

(Under the Provisions of Chapter 302 of the Acts of 1893.)

Scarlet-fever, ...	105.	Measles.	157.
Diphtheria and croup, ...	149.	Typhoid fever, ...	15.

(SIGNED) S. W. ABBOTT, M.D., *Secretary of the State Board of Health.*

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROMETER.	THERMOMETER.			RELATIVE HUMIDITY.		DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*		RAIN-FALL.	
Week ending Saturday, March 14, 1896.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A. M.	8 P. M.	MEAN.	8 A. M.	8 P. M.	8 A. M.	8 P. M.	8 A. M.	8 P. M.	HOURS DURATION.	AMOUNT IN INCHES.
Sunday, 8,	29.62	32	38	25	65	75	70	W.	W.	17	16	C.	C.		0.00
Monday, 9,	29.78	28	34	22	51	70	60	W.	N.W.	16	21	O.	C.		0.00
Tuesday, 10,	29.86	30	39	22	57	65	61	W.	S.	13	6	O.	C.		0.00
Wednes'y, 11,	29.61	30	33	27	67	100	84	N. E.	N. E.	15	42	N.	N.		0.24
Thursday, 12,	29.38	23	29	17	89	71	80	W.	W.	15	32	C.	C.		0.32
Friday, 13,	30.24	20	27	14	46	56	51	W.	W.	14	8	C.	C.		0.00
Saturday, 14,	30.48	20	28	12	38	60	49	W.	W.	15	10	C.	C.		0.00
Week, - -	29.85		33	20			65								0.56

* O., Cloudy; C., Clear; F., Fair; G., Fog; H., Hazy; S., Smoky; R., Rain; T., Threatening; N., Snow.

INSPECTION OF FOOD AND DRUGS.

The following summary presents the results of the examinations of Food and Drugs by the State Board of Health in the month of February: —

ARTICLES EXAMINED.	Number found to be of good quality.	Number adulterated or varying from the legal standard.	TOTAL.	ARTICLES EXAMINED.	Number found to be of good quality.	Number adulterated or varying from the legal standard.	TOTAL.
Milk,	127	103	230	Maple Syrup,	..	..	..
Butter,	30	0	30	Canned Goods,	13	3	16
Cheese,	6	0	6	Honey,	4	1	5
Lard,	..	..	..	Tea,	15	0	15
Olive Oil,	4	2	6	Coffee,	7	0	7
Vinegar,	0	2	2	Cocoa,	13	3	16
Spices,	131	21	152	Confectionery,	10	1	11
Cream of Tartar,	30	0	30	Other articles of Food and Drinks,	7	2	9
Molasses,	16	3	19	Drugs,	18	14	32
Syrups,	0	1	1				
Maple Sugar,	5	0	5	Totals,	436	156	592

Percentage of adulteration, 26.3. The actual ratio of adulteration is very much less than this, since it is only suspicious articles of food to which the attention of the Board is directed. Certain staple products, such as sugar, flour and the various other cereal products, are very rarely adulterated, and require but little inspection. The work of the Board is, therefore, mainly devoted to the inspection of such articles as it has found, by several years of experience, to be especially liable to adulteration.

The ratio of samples of milk found to be adulterated was 44.8 per cent., as compared with 36.0 per cent. for the preceding month, while the percentage of other articles of food and drugs was 14.6.

No complaints were entered in the courts during the month for violation of the laws relative to the inspection of food and drugs.

The samples of drugs found to be adulterated were Compound Spirits of Ether and Distilled Water.

The following so-called "blood-purifiers," "nerve-tonics" and other remedies of similar character were examined with reference to the amount of alcohol contained in them: —

	Percentage of alcohol by volume.		Percentage of alcohol by volume.
Ayer's Sarsaparilla,	26.2	Allen's Sarsaparilla,	13.5
Thayer's Compound Extract of Sarsaparilla,	21.5	Dana's Sarsaparilla,	13 5
Paine's Celery Compound,	21.0	Brown's Sarsaparilla,	13.5
Hood's Sarsaparilla,	18.8	Corbett's Shaker Sarsaparilla,	8.8
Greene's Nervura,	17.2	Radway's Resolvent,	7.9

Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

—OF—

MASSACHUSETTS

FOR THE

Week ending Saturday, March 21, 1896.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XIV. No. 12.

Entered at the post-office at Boston as second-class matter.

This publication contains the returns of deaths made each week to the State Board of Health from cities and towns in Massachusetts having over 10,000 inhabitants in each. Once in each month it also contains the returns of deaths from such other towns as report to the Board.

It also contains the reports of cases of infectious diseases returned by the boards of health of cities and towns.

Once in each month the work done under the Food and Drug Acts is also reported in this bulletin.

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SAMUEL W. ABBOTT, M.D., *Secretary.*

MORTALITY OF MASSACHUSETTS

For the Week ending March 21, 1896.

Deaths reported to the State Board of Health in 28 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report will in future be published weekly, and will contain the returns from all cities and towns having a population of more than 10,000 inhabitants. A monthly report will also be issued, to contain the returns from all reporting towns for the month.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

The population employed in this summary is that of the State census of 1895.

CITIES AND TOWNS.	Population. 1895.	Reported Deaths in Each.	Deaths under five years.	Deaths from				
				Principal Infectious Diseases.	Acute lung Diseases.	Diarrhœal Diseases.	Diphtheria and Croup.	Scarlet Fever.
Boston,	496,920	227	78	26	54	1	17	5
Worcester,	98,767	32	8	1	5	..	..	..
Fall River,	89,203	29	10	5	7	3	..	2
Lowell,	84,367	52	21	4	13	..	1	..
Cambridge,	81,643	28	9	2	1	2	..	..
Lynn,	62,354	16	4	2	1	1	..	1
New Bedford,	55,251	20	9	..	4	..	..	..
Somerville,	52,200	12	1	..	3	..	..	..
Lawrence,	52,164	19	9	..	2	..	..	..
Springfield,	51,522	19	7	2	3	..	1	..
Holyoke,	40,322	..	..	..	..	..	..	..
Salem,	34,473	19	4	1	1	1	..	..
Brockton,	33,165	7	1	..	2	..	..	..
Chelsea,	31,264	8	0	1	2	..	..	1
Haverhill,	30,209	8	1	1	1	..	..	..
Malden,	29,709	9	2	..	2	..	..	..
Gloucester,	28,211	..	..	..	..	..	..	..
Newton,	27,590	8	4	1	3	..	1	..
Taunton,	27,115	7	0	1	..	..	..	..
Fitchburg,	26,409	7	3	..	..	..	..	..
Waltham,	20,876	2	0	..	..	..	..	..
Quincy,	20,712	12	5	3	1	..	1	1
Pittsfield,	20,461	7	0	1	..	..	..	..
North Adams,	19,135	..	..	..	..	..	..	..
Everett,	18,573	..	..	..	..	..	..	..
Northampton,	16,746	4	1	..	2	..	..	..
Chicopee,	16,420	..	..	..	..	..	..	..
Brookline,	16,164	8	2	..	3	..	..	..
Marlborough,	14,977	..	..	..	..	..	..	..
Newburyport,	14,552	3	1	..	..	..	..	..
Medford,	14,474	..	..	..	..	..	..	..
Woburn,	14,178	..	..	..	..	..	..	..
Melrose,	11,965	2	0	..	..	..	..	..
Hyde Park,	11,826	4	0	..	2	..	..	..
Beverly,	11,806	..	..	..	..	..	..	..
Clinton,	11,497	2	1	..	..	..	..	..
Weymouth,	11,291	..	..	..	..	..	..	..
Westfield,	10,663	2	1	..	1	..	..	..
Peabody,	10,507	..	..	..	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under five.	Infectious Diseases.	Acute lung Diseases.	Diarrhœal Diseases.	Diphtheria and Croup.	Scarlet Fever.
Total of reporting towns,	1,509,817	573	182	51	113	8	21	10

DEATHS FROM PREVALENT DISEASES IN 28 CITIES AND LARGER TOWNS OF MASSACHUSETTS.

Fifty-seven deaths were reported from the principal infectious diseases; diphtheria and croup, 21; scarlet-fever, 10; diarrhœal diseases, 8; cerebro-spinal meningitis, 4; typhoid fever, 3; whooping-cough, 3; measles, 1.

No deaths were reported from small-pox, puerperal fever and malarial fever.

There were 113 deaths from acute lung diseases; consumption, 63; and still-births, 39.

From cerebro-spinal meningitis: Worcester, Lowell, Taunton and Pittsfield, 1 each. From whooping-cough: Boston, Lowell and Springfield, 1 each. From measles: Boston, 1.

Deaths under five years of age numbered 182, as compared with 182 for the preceding week.

Deaths from the principal infectious diseases numbered 51, as compared with 37 for the preceding week.

The death rates for the week were: Boston, 13.75; Worcester, 16.84; Fall River, 16.90; Lowell, 32.05; Cambridge, 17.83; Lynn, 13.32; New Bedford, 18.82; Somerville, 11.95; Lawrence, 18.92; Springfield, 19.17; Holyoke, ——; Salem, 28.65; Brockton, 10.97; Chelsea, 13.28; Haverhill, 12.60; Malden, 15.75; Gloucester, ——; Newton, 15.08; Taunton, 13.42; Fitchburg, 13.79; Waltham, 4.98; Quincy, ——; Pittsfield. 17.78; North Adams, ——; Everett, 5.60; Northampton, 12.42; Chicopee, ——; Marlborough, ——; Newburyport, 10.71; Medford, ——; Woburn, ——.

The total death rate for the week was 19.07, against 19.16 and 17.86 for the previous two weeks.

CASES OF INFECTIOUS DISEASES REPORTED TO THE STATE BOARD OF HEALTH DURING THE WEEK ENDING MARCH 21, 1896.

(Under the Provisions of Chapter 302 of the Acts of 1893.)

Scarlet-fever, ...	85.	Measles, ...	74.
Diphtheria and croup, ...	147.	Typhoid fever, ...	14.

(SIGNED) S. W. ABBOTT, M.D., *Secretary of the State Board of Health.*

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROMETER.	THERMOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*		RAIN-FALL.	
Week ending Saturday, March 21, 1896.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A. M.	8 P. M.	MEAN.	8 A. M.	8 P. M.	8 A. M.	8 P. M.	8 A. M.	8 P. M.	HOURS DURATION.	AMOUNT IN INCHES.
Sunday, 15,	30.40	23	31	15	59	88	75	W.	S. W.	9	6	C.	N.		T.
Monday, 16,	29.93	30	35	24	100	98	99	N. E.	N. E.	13	22	N.	R.		1.09
Tuesday, 17,	29.89	35	42	28	80	60	70	N. W.	N. W.	14	8	O.	C.		0.16
Wednes'y, 18,	30.32	34	45	24	60	62	61	N. W.	S.	7	10	O.	C.		0.00
Thursday, 19,	29.96	42	53	32	92	97	94	E.	S.	12	29	N.	R.		0.41
Friday, 20,	29.48	38	52	25	88	60	74	S. W.	W.	28	24	O.	C.		0.11
Saturday, 21,	30.09	34	45	22	46	36	41	W.	W.	18	12	O.	C.		0.00
Week, - -	29.99		43	27			73								1.77

* O., Cloudy; C., Clear; F., Fair; G., Fog; H., Hazy; S., Smoky; R., Rain; T., Threatening; N., Snow.

Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

—OF—

MASSACHUSETTS

FOR THE

Week ending Saturday, March 28, 1896.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XIV. No. 13.

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MORTALITY OF MASSACHUSETTS

For the Week ending March 28, 1896.

Deaths reported to the State Board of Health in 30 Cities and Greater Towns.

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				Principal Infectious Diseases.	Acute Lung Diseases.	Diphtheria and Croup.	Cerebro-spinal Meningitis.	Scarlet-fever.
Boston,	496,920	237	77	19	50	11	..	3
Worcester,	98,767	28	13	5	4	2	..	1
Fall River,	89,203	28	11	2	3	..	..	1
Lowell,	84,367	38	18	3	7	..	..	..
Cambridge,	81,643	26	11	4	5	1	1	..
Lynn,	62,354	17	6	..	3	..	..	..
New Bedford,	55,251	21	6	2	3	2	..	..
Somerville,	52,200	15	10	3	4	..	2	1
Lawrence,	52,164	20	7	1	5	..	..	..
Springfield,	51,522	14	4	4	2	1	1	..
Holyoke,	40,322	..	..	..	..	..	..	..
Salem,	34,473	6	1	..	2	..	..	..
Brockton,	33,165	7	1	..	3	..	..	..
Chelsea,	31,264	22	5	4	3	2	2	..
Haverhill,	30,209	4	1	1	1	..	..	..
Malden,	29,709	6	1	..	..	..	..	..
Gloucester,	28,211	..	..	..	.	..	..	..
Newton,	27,590	10	4	..	3	..	..	..
Taunton,	27,115	13	3	..	..	..	..	..
Fitchburg,	26,409	9	3	..	..	..	..	..
Waltham,	20,876	5	1	..	..	..	..	..
Quincy,	20,712	..	..	..	..	..	..	..
Pittsfield,	20,461	3	2	..	..	..	..	..
North Adams,	19,135	5	1	1	3	..	1	..
Everett,	18,573	6	1	..	..	..	..	..
Northampton,	16,746	5	1	..	2	..	..	..
Chicopee,	16,420	..	..	..	..	..	..	..
Brookline,	16,164	..	..	..	..	..	..	..
Marlborough,	14,977	1	0	..	1	..	..	..
Newburyport,	14,552	6	3	..	2	..	..	..
Medford,	14,474	6	1	..	..	..	..	..
Woburn,	14,178	5	3	..	1	..	..	..
Melrose,	11,965	2	0	..	..	..	..	..
Hyde Park,	11,826	..	..	..	..	..	..	..
Beverly,	11,806	..	..	..	..	..	..	..
Clinton,	11,497	2	1	..	..	..	..	..
Weymouth,	11,291	..	..	..	..	..	..	..
Westfield,	10,663	3	0	..	..	..	..	..
Peabody,	10,507	..	..	..	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under five.	Infectious Diseases.	Acute Lung Diseases.	Diphtheria and Croup.	Cerebro-spinal Meningitis.	Scarlet-fever.
Total of reporting towns,	1,552,422	553	200	47	107	19	7	6

DEATHS FROM PREVALENT DISEASES IN 30 CITIES AND LARGER TOWNS OF MASSACHUSETTS.

Forty-seven deaths were reported from the principal infectious diseases; diphtheria and croup, 19; cerebro-spinal meningitis, 7; scarlet-fever and diarrhœal diseases, each 6; whooping-cough, 4; typhoid fever, 3; measles and erysipelas, 1 each.

No deaths were reported from small-pox, puerperal fever and malarial fever.

There were 107 deaths from acute lung diseases; consumption, 51; and still-births, 27.

From diarrhœal diseases: Worcester, 2; Boston, Fall River, Cambridge and Springfield, 1 each. From whooping-cough: Boston, Lowell, Cambridge and Lawrence, 1 each. From typhoid fever: Lowell, Springfield and Haverhill, 1 each. From measles: Boston, 1 From erysipelas: Lowell, 1.

Deaths under five years of age numbered 200, as compared with 182 for the preceding week.

Deaths from the principal infectious diseases numbered 47, as compared with 51 for the preceding week.

The death rates for the week were: Boston, 24.80; Worcester, 14.74; Fall River, 16.32; Lowell, 23.41; Cambridge, 16.55; Lynn, 14.16; New Bedford, 19.76; Somerville, 14.94; Lawrence, 19.92; Springfield, 14.12; Holyoke, ——; Salem, 9.04; Brockton, 10.97; Chelsea, ——; Haverhill, 6.80; Malden, 10.50; Gloucester, ——; Newton, 18.85; Taunton, 24.93; Fitchburg, 17.73; Waltham, 12.45; Quincy, ——; Pittsfield, 7.62; North Adams, 13.50; Everett, 16.80; Northampton, 15.52; Chicopee, ——; Marlborough, 3.47; Newburyport, 21.42; Medford, 21.54; Woburn, 18.30.

The total death rate for the week was 18.52, against 19.07 and 19.16 for the previous two weeks.

CASES OF INFECTIOUS DISEASES REPORTED TO THE STATE BOARD OF HEALTH DURING THE WEEK ENDING MARCH 28, 1896.

(Under the Provisions of Chapter 302 of the Acts of 1893.)

Scarlet-fever, ...	107.	Measles, ...	172.
Diphtheria and croup, ...	202.	Typhoid fever, ...	24.

(SIGNED) S. W. ABBOTT, M.D., *Secretary of the State Board of Health.*

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.			STATE OF WEATHER.*			RAIN-FALL.	
Week ending Saturday, March 28, 1896.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A. M.	8 P. M.	MEAN.	8 A. M.	8 P. M.	8 A. M.	8 P. M.		8 A. M.	8 P. M.		HOURS DURATION.	AMOUNT IN INCHES.
Sunday, 22,	30.10	40	51	30	69	67	68	S. W.	N. W.	13	13		O.	C.			0.00
Monday, 23,	30.46	24	28	20	45	100	72	N.	N. E.	12	12		C.	N.			0.03
Tuesday, 24,	30.52	23	29	17	64	74	69	N.	S. E.	10	6		F.	C.			0.02
Wednes'y, 25,	30.28	35	46	24	72	77	74	S.	S. W.	14	14		C.	O.			0.00
Thursday, 26,	29.64	51	64	38	86	80	83	S. W.	S.	12	17		O.	O.			0.00
Friday, 27,	29.74	32	38	25	32	81	56	N. W.	W.	16	25		C.	C.			0.00
Saturday, 28,	30.18	34	45	24	55	31	43	W.	N. W.	15	6		F.	C.			0.00
Week, - -	30.13		43	25			66										0.05

* O., Cloudy; C., Clear; F., Fair; G., Fog; H., Hazy; S., Smoky; R., Rain; T., Threatening; N., Snow.

Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

—OF—

MASSACHUSETTS

FOR THE

Week ending Saturday, April 4, 1896.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XIV. No. 14.

Entered at the post-office at Boston as second-class matter.

This publication coutains the returns of deaths made each week to the State Board of Health from cities and towns in Massachusetts having over 10,000 inhabitauts in each. Once iu each month it also contains the returns of deaths from such other towns as report to the Board.

It also contains the reports of cases of infectious diseases returned by the boards of health of cities and towns.

Once in each month the work done under the Food and Drug Acts is also reported in this bulletin.

STATE BOARD OF HEALTH.

HENRY P. WALCOTT, M.D., Cambridge, *Chairman.*
GERARD C. TOBEY, Esq., Wareham.
FRANK W. DRAPER, M.D., Boston.
HIRAM F. MILLS, C.E., Lawrence.
JAMES W. HULL, Pittsfield.
CHARLES H. PORTER, Quincy.
JULIAN A. MEAD, M.D., Watertown.

SAMUEL W. ABBOTT, M.D., *Secretary.*

MORTALITY OF MASSACHUSETTS

For the Week ending April 4, 1896.

Deaths reported to the State Board of Health in 27 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report will in future be published weekly, and will contain the returns from all cities and towns having a population of more than 10,000 inhabitants. A monthly report will also be issued, to contain the returns from all reporting towns for the month.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

The population employed in this summary is that of the State census of 1895.

CITIES AND TOWNS.	Population. 1895.	Reported Deaths in Each.	Deaths under five years.	Deaths from				
				Principal Infectious Diseases.	Acute Lung Diseases.	Typhoid Fever.	Diphtheria and Croup.	Scarlet-fever.
Boston,	496,920	261	77	24	58	..	10	8
Worcester,	98,767	37	14	3	9	1	1	..
Fall River,	89,203	43	18	2	17	..	1	..
Lowell,	84,367	26	9	1	5	..	1	..
Cambridge,	81,643	35	12	3	5	1	2	..
Lynn,	62,354	24	..	2	6	1	1	..
New Bedford,	55,251	23	12	..	2	..	..	..
Somerville,	52,200	17	2	3	4	..	2	..
Lawrence,	52,164	22	14	..	5	..	..	..
Springfield,	51,522	13	3	..	1	..	..	..
Holyoke,	40,322	..	..	..	..	..	..	..
Salem,	34,473	13	3	1	1	..	1	..
Brockton,	33,165	10	2	..	2	..	..	..
Chelsea,	31,264	8	4	..	1	..	..	..
Haverhill,	30,209	10	..	..	..	..	..	..
Malden,	29,709	10	2	..	1	..	..	..
Gloucester,	28,211	..	..	..	..	..	..	..
Newton,	27,590	15	1	1	3	1	..	..
Taunton,	27,115	14	..	..	4	..	..	..
Fitchburg,	26,409	9	1	..	2	..	..	..
Waltham,	20,876	3	1	..	1	..	..	..
Quincy,	20,712	..	..	..	..	..	..	..
Pittsfield,	20,461	6	3	..	3	..	..	..
North Adams,	19,135	6	1	1	2	..	1	..
Everett,	18,573	3	0	..	..	..	..	..
Northampton,	16,746	5	1	1	1	..	..	..
Chicopee,	16,420	..	..	..	..	..	..	..
Brookline,	16,164	..	..	..	..	..	..	..
Marlborough,	14,977	..	..	..	..	..	..	..
Newburyport,	14,552	10	5	1	1	..	..	..
Medford,	14,474	..	..	..	..	..	..	..
Woburn,	14,178	..	..	..	..	..	..	..
Melrose,	11,965	1	0	..	..	..	..	..
Hyde Park,	11,826	..	..	..	..	..	..	..
Beverly,	11,806	..	..	..	..	..	..	..
Clinton,	11,497	6	1	..	1	..	..	..
Weymouth,	11,291	..	..	..	..	..	..	..
Westfield,	10,663	2	0	..	..	..	..	..
Peabody,	10,507	..	..	..	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under five.	Infectious Diseases.	Acute Lung Diseases.	Typhoid Fever.	Diphtheria and Croup.	Scarlet-fever.
Total of reporting towns,	1,508,793	632	186	43	135	4	20	8

DEATHS FROM PREVALENT DISEASES IN 27 CITIES AND LARGER TOWNS OF MASSACHUSETTS.

Forty-three deaths were reported from the principal infectious diseases; diphtheria and croup, 20; scarlet-fever, 8; typhoid fever, whooping-cough and cerebro-spinal meningitis, 4 each; diarrhœal diseases and measles, 1 each.

No deaths were reported from small-pox, malarial fever and puerperal fever.

There were 135 acute lung diseases: consumption, 73; and still-births, 28.

From whooping-cough: Boston, 3; Northampton, 1. From cerebro-spinal meningitis: Boston, 2; Worcester and Somerville, 1 each. From measles: Newburyport, 1. From diarrhœal diseases: Fall River, 1.

Deaths under five years of age numbered 186, as compared with 200 for the preceding week.

Deaths from the principal infectious diseases numbered 43, as compared with 47 for the preceding week.

The death rates for the week were: Boston, 27.31; Worcester, 19.48; Fall River, 25.06; Lowell, 16.01; Cambridge, 22.37; Lynn, 19.99; New Bedford, 21.64; Somerville, 16.93; Lawrence, 21.91; Springfield, 12.11; Holyoke, ——; Salem, 19.60; Brockton, 15.67; Chelsea, 13.28; Haverhill, 17.01; Malden, 17.50; Gloucester, ——; Newton, 28.27; Taunton, 26.85; Fitchburg, 17.73; Waltham, 7.47; Quincy, ——; Pittsfield. 14.24; North Adams, 16.32; Everett, ——; Northampton, 15.55; Chicopee, ——; Marlborough, ——; Newburyport, ——; Medford, ——; Woburn, ——.

The total death rate for the week was 21.78, as compared with 18.52 and 19.07 for the previous two weeks.

CASES OF INFECTIOUS DISEASES REPORTED TO THE STATE BOARD OF HEALTH DURING THE WEEK ENDING APRIL 4, 1896.

(Under the Provisions of Chapter 302 of the Acts of 1893.)

Scarlet-fever, ...	93.	Measles, ...	99.
Diphtheria and croup, ...	126.	Typhoid fever, ...	12.

(SIGNED) S. W. ABBOTT, M.D., *Secretary of the State Board of Health.*

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROMETER.	THERMOMETER.			RELATIVE HUMIDITY.		DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*		RAIN-FALL.	
Week ending Saturday, April 4, 1896.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A. M.	8 P. M.	MEAN.	8 A. M.	8 P. M.	8 A. M.	8 P. M.	8 A. M.	8 P. M.	HOURS DURATION.	AMOUNT IN INCHES.
March.															
Sunday, 29,	30.09	35	38	32	64	95	80	S. E.	N.	8	8	O.	O.		0.62
Monday, 30,	29.90	38	41	35	100	91	96	N.	N.	9	5	R.	O.		0.20
Tuesday, 31,	30.05	48	61	36	58	38	48	N. W.	N. W.	16	10	C.	C.		0.00
April.															
Wednes'y, 1,	30.16	40	45	36	50	80	65	N. W.	E.	12	12	C.	C.		0.00
Thursday, 2,	29.66	38	40	35	98	91	94	E.	N. W.	12	13	R.	R.		0.61
Friday, 3,	29.56	30	35	26	48	50	49	W.	W.	27	18	C.	C.		T.
Saturday, 4,	29.72	30	35	25	44	49	48	N. W.	N. W.	24	19	C.	C.		0.00
Week, - -	29.88		42	32			69								1.43

* O., Cloudy; C., Clear; F., Fair; G., Fog; H., Hazy; S., Smoky; R., Rain; T., Threatening; N., Snow.

MONTHLY MORTALITY

In 8 smaller towns of Massachusetts, as reported to the State Board of Health for the month of March.

The total death rate of reporting towns was 15.1.

TOWNS.	Population, 1895.	Reported Deaths in Each.	Deaths under five years of age.	Deaths from				
				Infectious Diseases.	Acute Lung Diseases.	Consumption.	Diarrhœal Diseases.	Measles.
Amesbury,	9,984	6	0	1	1	1	1	..
Leominster,	9,214	16	4	..	1	1	..	..
Revere,	7,437	16	4	1	5	3	..	1
Orange,	5,357	6	2	1	1	..	1	..
Hudson,	5,306	2	0	..	..	1	..	..
Easthampton,	4,790	9	0	..	..	1	..	..
Merrimac,	2,302	2	0	1	..	..	..	..
Norton,	1,614	1	0	..	..	1	..	..
		..	..	..	..	..	..	..
Total of reporting towns,	46,004	58	10	4	8	8	2	1

State House, Boston, April 6, 1896.

Under authority of the Statutes relating to food and drug inspection, the State Board of Health has examined such samples of antitoxin as are offered for sale in Massachusetts, with the following results: —

Serum No. 2, Behring. Bottle containing ten cubic centimeters of serum of an advertised strength of 1,000 units.

The test showed that the serum was up to the standard.

Serum of Parke, Davis & Co. Bottle guaranteed to contain ten cubic centimeters of a total strength of 1,000 units.

The test showed that the serum was up to the standard.

Serum No. 2 of Mulford & Co. The label states that the bottle contains ten cubic centimeters of a total strength of 1,000 units.

The test confirmed the statement, and showed the serum to be up to the guaranteed strength.

Serum of the Pasteur Institute of Paris, France (Roux). The circular states that the serum is at least 1 to 50,000 in strength. As this is considered equivalent to Behring's serum No. 1, the test was carried out with this strength in view. It was, however, found to be weaker than this. A second test showed that the ten cubic centimeters of serum contained a total of 500 antitoxic units instead of 600 units.

Gibier's Diphtheria Antitoxin, New York. The label states that the bottle contains 25 cubic centimeters of a total strength of 2,500 units. The test showed that the serum was far below this in strength. In a second test it was determined that the bottle contained from 625 to 750 units instead of 2,500, as advertised. The strength of this serum is thus a trifle below one-half of that of Behring's serum No. 1.*

THE STATE BOARD OF HEALTH.

* 10 cc. of Behring's serum No. 1 contain 600 units.

Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

—OF—

MASSACHUSETTS

FOR THE

Week ending Saturday, April 11, 1896.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XIV. No. 15.

Entered at the post-office at Boston as second-class matter.

This publication contains the returns of deaths made each week to the State Board of Health from cities and towns in Massachusetts having over 10,000 inhabitants in each. Once in each month it also contains the returns of deaths from such other towns as report to the Board.

It also contains the reports of cases of infectious diseases returned by the boards of health of cities and towns.

Once in each month the work done under the Food and Drug Acts is also reported in this bulletin.

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MORTALITY OF MASSACHUSETTS

For the Week ending April 11, 1896.

Deaths reported to the State Board of Health in 30 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report will in future be published weekly, and will contain the returns from all cities and towns having a population of more than 10,000 inhabitants. A monthly report will also be issued, to contain the returns from all reporting towns for the month.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

The population employed in this summary is that of the State census of 1895.

CITIES AND TOWNS.	POPULATION. 1895.	Reported Deaths in Each.	Deaths under five years.	DEATHS FROM				
				Principal Infectious Diseases.	Acute Lung Diseases.	Typhoid Fever.	Diphtheria and Croup.	Cerebro-spinal Meningitis.
Boston,	496,920	202	58	12	52	2	8	..
Worcester,	98,767	31	10	1	5	..	..	1
Fall River,	89,203	42	17	6	11	..	1	1
Lowell,	84,367	40	16	2	4	..	..	..
Cambridge,	81,643	22	9	1	6	..	1	..
Lynn,	62,354	21	..	3	4	..	2	1
New Bedford,	55,251	19	11	2	2	..	1	..
Somerville,	52,200	11	3	3	3	1	1	1
Lawrence,	52,164	23	11	..	8	..	..	..
Springfield,	51,522	23	6	3	3	1	..	..
Holyoke,	40,322	..	..	..	..	..	..	..
Salem,	34,473	15	2	1	..	1	..	..
Brockton,	33,165	9	2	..	3	..	..	..
Chelsea,	31,264	9	0	..	1	..	..	..
Haverhill,	30,209	13	3	..	4	..	..	..
Malden,	29,709	16	1	..	5	..	..	..
Gloucester,	28,211	..	..	..	..	..	..	..
Newton,	27,590	10	3	..	2	..	..	..
Taunton,	27,115	13	3	1	2	..	1	..
Fitchburg,	26,409	7	3	..	1	..	..	..
Waltham,	20,876	8	2	1	..	..	..	..
Quincy,	20,712	10	0	..	1	..	..	..
Pittsfield,	20,461	5	2	..	1	..	..	..
North Adams,	19,135	9	4	..	1	..	..	..
Everett,	18,573	4	2	2	..	..	..	2
Northampton,	16,746	..	..	..	..	..	..	..
Chicopee,	16,420	..	..	..	..	..	..	..
Brookline,	16,164	3	0	..	..	..	..	..
Marlborough,	14,977	2	0	..	..	..	..	..
Newburyport,	14,552	6	2	1	..	..	1	..
Medford,	14,474	6	3	2	2	..	2	..
Woburn,	14,178	..	..	..	..	..	..	..
Melrose,	11,965	4	2	..	1	..	..	..
Hyde Park,	11,826	..	..	..	..	..	..	..
Beverly,	11,806	..	..	..	..	..	..	..
Clinton,	11,497	2	1	..	..	..	..	..
Weymouth,	11,291	..	..	..	..	..	..	..
Westfield,	10,663	2	0	..	..	..	..	..
Peabody,	10,507	..	..	..	..	..	..	..

RECAPITULATION.

	POPULATION.	Deaths.	Deaths under five.	Infectious Diseases.	Acute Lung Diseases.	Typhoid Fever.	Diphtheria and Croup.	Cerebro-spinal Meningitis.
Total of reporting towns,	1,558,374	587	176	41	122	5	18	6

DEATHS FROM PREVALENT DISEASES IN 30 CITIES AND LARGER TOWNS OF MASSACHUSETTS.

Forty-one deaths were reported from the principal infectious diseases; diphtheria and croup, 18; cerebro-spinal meningitis, 6; typhoid fever, 5; scarlet-fever, 4; diarrhœal diseases, 3; whooping-cough and erysipelas, each 2; measles, 1.

No deaths were reported from small-pox, malarial fever and puerperal fever.

There were 122 deaths from acute lung diseases; consumption, 100; and still-births, 48.

From scarlet-fever: Boston, 2; Fall River and New Bedford, 1 each. From diarrhœal diseases: Fall River, 2; Lowell, 1. From whooping-cough: Fall River and Waltham, 1 each. From erysipelas: Lowell and Springfield, 1 each. From measles: Springfield, 1.

Deaths under five years of age numbered 176, as compared with 186 for the preceding week.

Deaths from the principal infectious diseases numbered 41, as compared with 43 for the preceding week.

The death rates for the week were: Boston, 21.14; Worcester, 16 32; Fall River, 24.68; Lowell, 24.65; Cambridge, 14.06; Lynn. 17.49; New Bedford, 17.87; Somerville, 10.95; Lawrence, 22.90; Springfield, 23.20; Holyoke, ——; Salem, 22.62; Brockton, 14.11; Chelsea, 14.94; Haverhill, 22.71; Malden, 28.00; Gloucester, ——; Newton, 18.85; Taunton, 24.93; Fitchburg, 13.79; Waltham, 19.92; Quincy, ——; Pittsfield. 12.70; North Adams, 24.48; Everett, 11.20; Northampton, ——; Chicopee, ——; Marlborough, ——; Newburyport, 21.42; Medford, 21.54; Woburn, ——.

The total death rate for the week was 19.58, as compared with 21.78 and 18.52 for the previous two weeks.

CASES OF INFECTIOUS DISEASES REPORTED TO THE STATE BOARD OF HEALTH DURING THE WEEK ENDING APRIL 11, 1896.

(Under the Provisions of Chapter 302 of the Acts of 1893.)

Scarlet-fever, ...	88.	Measles, ...	97.
Diphtheria and croup, ...	134.	Typhoid fever, ...	17.

(SIGNED) S. W. ABBOTT, M.D., *Secretary of the State Board of Health.*

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.			STATE OF WEATHER.*			RAIN-FALL.	
Week ending Saturday, April 11, 1896.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A. M.	8 P. M.	MEAN.	8 A. M.	8 P. M.	8 A. M.	8 P. M.		8 A. M.	8 P. M.		HOURS DURATION.	AMOUNT IN INCHES.
Sunday, 5,	30.12	37	45	29	56	53	54	N. W.	N. W.	18	11		O.	C.			0.00
Monday, 6,	30.16	38	43	32	66	87	76	N. W.	E.	3	5		O.	O.			0.00
Tuesday, 7,	30.24	36	40	32	70	68	69	N. E.	N. E.	17	11		F.	C.			0.04
Wednes'y, 8,	30.46	34	40	29	59	44	52	N.	E.	18	3		O.	C.			0.00
Thursday, 9,	30.42	40	49	32	40	33	36	N.	S.	6	9		C.	C.			0.00
Friday, 10,	30.32	42	51	34	37	25	31	N. W.	S. W.	5	7		C.	C.			0.00
Saturday, 11,	30.22	48	59	38	55	49	48	W.	N. W.	9	12		O.	F.			0.00
Week, - -	30.28		47	32			52										0.04

* O., Cloudy; C., Clear; F., Fair; G., Fog; H., Hazy; S., Smoky; R., Rain; T., Threatening; N., Snow.

INSPECTION OF FOOD AND DRUGS.

The following summary presents the results of the examinations of Food and Drugs by the State Board of Health in the month of March: —

ARTICLES EXAMINED.	Number found to be of good quality.	Number adulterated or varying from the legal standard.	TOTAL.	ARTICLES EXAMINED.	Number found to be of good quality.	Number adulterated or varying from the legal standard.	TOTAL.
Milk,	121	159	280	Maple Syrup,	..	..	..
Butter,	39	0	39	Canned Goods,	..	..	..
Cheese,	3	0	3	Honey,	5	1	6
Lard,	..	..	..	Tea,	7	0	7
Olive Oil,	2	1	3	Coffee,	9	1	10
Vinegar,	1	2	3	Cocoa,	..	..	..
Spices,	87	15	102	Confectionery,	0	1	1
Cream of Tartar,	19	0	19	Other articles of Food and Drinks,	8	10	18
Molasses,	..	..	..	Drugs,	17	19	36
Syrups,	..	..	..				
Maple Sugar,	1	1	2				
				Totals,	319	210	529

Percentage of adulteration, 39.7. The actual ratio of adulteration is very much less than this, since it is only suspicious articles of food to which the attention of the Board is directed. Certain staple products, such as sugar, flour and the various other cereal products, are very rarely adulterated, and require but little inspection. The work of the Board is, therefore, mainly devoted to the inspection of such articles as it has found, by several years of experience, to be especially liable to adulteration.

The ratio of samples of milk found to be adulterated was 56.8 per cent., as compared with 44.8 per cent. for the preceding month, while the percentage of other articles of food and drugs was 20.5.

Three complaints were entered in the courts during the month for violation of the laws relative to the inspection of food and drugs. All of these were for violation of the statutes relative to the sale of milk. Fines were imposed amounting to $150.

The samples of drugs found to be adulterated were Alcohol, Chloroform, Compound Spirit of Ether, Tincture of Nux Vomica, Tincture of Iodine, Whiskey and White Wine.

Cities and towns from which samples of food were collected were, Boston, Worcester, Lowell, Cambridge, Chelsea, Quincy, Everett, Medford, Newton, Somerville, Springfield, Salem, Waltham, Woburn, Beverly, Holliston, Stoneham, Stoughton, Reading, Revere, Watertown, Waverly and Winthrop.

Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

—OF—

MASSACHUSETTS

FOR THE

Week ending Saturday, April 18, 1896.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XIV. No. 16.

Entered at the post-office at Boston as second-class matter.

This publication contains the returns of deaths made each week to the State Board of Health from cities and towns in Massachusetts having over 10,000 inhabitants in each. Once in each month it also contains the returns of deaths from such other towns as report to the Board.

It also contains the reports of cases of infectious diseases returned by the boards of health of cities and towns.

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SAMUEL W. ABBOTT, M.D., *Secretary.*

MORTALITY OF MASSACHUSETTS

For the Week ending April 18, 1896.

Deaths reported to the State Board of Health in 29 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report will in future be published weekly, and will contain the returns from all cities and towns having a population of more than 10,000 inhabitants. A monthly report will also be issued, to contain the returns from all reporting towns for the month.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

The population employed in this summary is that of the State census of 1895.

CITIES AND TOWNS.	POPULATION. 1895.	Reported Deaths in Each.	Deaths under five years.	DEATHS FROM				
				Principal Infectious Diseases.	Acute Lung Diseases.	Diarrhœal Diseases.	Typhoid Fever.	Diphtheria and Croup.
Boston,	496,920	257	67	20	68	1	..	12
Worcester,	98,767	30	8	2	3	1	..	1
Fall River,	89,203	45	19	8	1	3	..	3
Lowell,	84,367	46	24	6	8	2	2	2
Cambridge,	81,643	34	13	2	8	..	..	..
Lynn,	62,354	25	..	5	..	..	2	1
New Bedford,	55,251	26	9	1	1	..	1	..
Somerville,	52,200	..	..	..	..	..	..	..
Lawrence,	52,164	31	16	2	7	..	..	..
Springfield,	51,522	24	7	1	1	1	..	..
Holyoke,	40,322	..	..	..	..	..	..	..
Salem,	34,473	13	5	2	1	1	..	..
Brockton,	33,165	6	0	..	1	..	..	..
Chelsea,	31,264	10	..	..	..	..	..	..
Haverhill,	30,209	7	2	..	2	..	..	..
Malden,	29,709	12	1	1	3	..	..	1
Gloucester,	28,211	..	..	..	..	..	..	..
Newton,	27,590	8	3	1	1	..	..	..
Taunton,	27,115	11	..	..	5	..	..	..
Fitchburg,	26,409	12	5	..	..	..	..	..
Waltham,	20,876	10	3	..	2	..	..	..
Quincy,	20,712	10	4	1	2	..	..	1
Pittsfield,	20,461	3	3	1	2	..	..	1
North Adams,	19,135	6	0	2	..	1	1	..
Everett,	18,573	8	3	1	3	..	..	..
Northampton,	16,746	4	1	..	..	..	..	..
Chicopee,	16,420	..	..	..	..	..	..	..
Brookline,	16,164	4	1	..	..	..	..	..
Marlborough,	14,977	..	..	..	..	..	..	..
Newburyport,	14,552	2	1	..	..	..	..	..
Medford,	14,474	4	0	..	..	..	..	..
Woburn,	14,178	..	..	..	..	..	..	..
Melrose,	11,965	6	0	..	1	..	..	..
Hyde Park,	11,826	..	..	..	..	..	..	..
Beverly,	11,806	..	..	..	..	..	..	..
Clinton,	11,497	6	0	..	1	..	..	..
Weymouth,	11,291	..	..	..	..	..	..	..
Westfield,	10,663	1	0	..	..	..	..	..
Peabody,	10,507	..	..	..	..	..	..	..

RECAPITULATION.

	POPULATION.	Deaths.	Deaths under five.	Infectious Diseases.	Acute Lung Diseases.	Diarrhœal Diseases.	Typhoid Fever.	Diphtheria and Croup.
Total of reporting towns,	1,507,943	661	195	56	121	10	6	22

DEATHS FROM PREVALENT DISEASES IN 29 CITIES AND LARGER TOWNS OF MASSACHUSETTS.

Fifty-six deaths were reported from the principal infectious diseases; diphtheria and croup, 22; diarrhœal diseases and whooping-cough, each 10; typhoid fever, 6; scarlet-fever and cerebro-spinal meningitis, 3 each; measles, 2.

No deaths were reported from small-pox, erysipelas, puerperal fever and malarial fever.

There were 121 deaths from acute lung diseases; consumption, 82; and still-births, 35.

From whooping-cough: Boston, Fall River and Lawrence, 2 each; Cambridge, Salem, Newton and Everett, 1 each. From scarlet-fever: Boston, 2; Cambridge, 1. From cerebro-spinal meningitis: Lynn, 2; Boston, 1. From measles: Boston, 2.

Deaths under five years of age numbered 195, as compared with 176 for the preceding week.

Deaths from the principal infectious diseases numbered 56, as compared with 41 for the preceding week.

The death rates for the week were: Boston, 26.87; Worcester, 15 79; Fall River, 26.23; Lowell, 28.35; Cambridge, 21.75; Lynn, 20.82; New Bedford, 24.46; Somerville, ——; Lawrence, 30.87; Springfield, 24.21; Holyoke, ——; Salem, 19.60; Brockton, 9.40; Chelsea, 16.61; Haverhill, 11.90; Malden, 21.00; Gloucester, ——; Newton, 15.08; Taunton, 21.09; Fitchburg, 23.14; Waltham, 24.90; Quincy, ——; Pittsfield. 7.62; North Adams, 16.32; Everett, 22.40; Northampton, 12.42; Chicopee, ——; Marlborough, ——; Newburyport, 7.18; Medford, 14.36; Woburn, ——.

The total death rate for the week was 22.79, as compared with 19.58 and 21.78 for the previous two weeks.

CASES OF INFECTIOUS DISEASES REPORTED TO THE STATE BOARD OF HEALTH DURING THE WEEK ENDING APRIL 18, 1896.

(Under the Provisions of Chapter 302 of the Acts of 1893.)

Scarlet-fever, ...	83.	Measles.	109.
Diphtheria and croup, ...	119.	Typhoid fever, ...	14.

(SIGNED) S. W. ABBOTT, M.D., *Secretary of the State Board of Health.*

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROMETER.	THERMOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*			RAIN-FALL.	
Week ending Saturday, April 18, 1896.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A. M.	8 P. M.	MEAN.	8 A. M.	8 P. M.	8 A. M.	8 P. M.	8 A. M.	8 P. M.	*	HOURS DURATION.	AMOUNT IN INCHES.
Sunday, 12,	30.30	48	55	41	56	48	52	S. W.	S. W.	14	12	O.	O.			0.00
Monday, 13,	30.00	64	84	45	64	65	64	N. E.	W.	10	11	C.	C.			0.00
Tuesday, 14,	30.04	44	48	40	92	92	92	N. W.	S. E.	4	6	O.	O.			0.00
Wednes'y, 15,	30.09	62	82	41	66	41	54	W.	S. W.	10	10	C.	C.			0.00
Thursday, 16,	30.04	68	79	58	58	62	60	N. E.	N. E.	7	2	C.	C.			0.00
Friday, 17,	30.10	50	57	42	68	95	82	W.	E.	10	6	C.	O.			0.11
Saturday, 18,	30.00	62	83	42	85	82	84	E.	N. E.	2	6	O.	O.			0.07
Week, - -	30.04		70	44			70									0.18

* O., Cloudy; C., Clear; F., Fair; G., Fog; H., Hazy; S., Smoky; R., Rain; T., Threatening; N., Snow.

Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

—OF—

MASSACHUSETTS

FOR THE

Week ending Saturday, April 25, 1896.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XIV. No. 17.

Entered at the post-office at Boston as second-class matter.

This publication contains the returns of deaths made each week to the State Board of Health from cities and towns in Massachusetts having over 10,000 inhabitants in each. Once in each month it also contains the returns of deaths from such other towns as report to the Board.

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SAMUEL W. ABBOTT, M.D., *Secretary.*

MORTALITY OF MASSACHUSETTS

For the Week ending April 25, 1896.

Deaths reported to the State Board of Health in 29 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report will in future be published weekly, and will contain the returns from all cities and towns having a population of more than 10,000 inhabitants. A monthly report will also be issued, to contain the returns from all reporting towns for the month.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

The population employed in this summary is that of the State census of 1895.

CITIES AND TOWNS.	Population. 1895.	Reported Deaths in Each.	Deaths under five years.	Deaths from				
				Principal Infectious Diseases.	Acute Lung Diseases.	Diarrhœal Diseases.	Typhoid Fever.	Diphtheria and Croup.
Boston,	496,920	262	77	24	70	1	3	12
Worcester,	98,767	28	6	2	10	..	..	2
Fall River,	89,203	37	12	11	5	7	..	4
Lowell,	84,367	48	17	3	8	..	..	3
Cambridge,	81,643	32	7	2	5	..	..	1
Lynn,	62,354	19	6	3	5	..	..	2
New Bedford,	55,251	21	6	2	1	..	..	1
Somerville,	52,200	15	4	5	3	1	1	3
Lawrence,	52,164	34	13	2	13	..	1	..
Springfield,	51,522	18	3	1	5	..	..	1
Holyoke,	40,322	..	..	..	..	..	..	..
Salem,	34,473	13	4	..	..	..	..	..
Brockton,	33,165	3	0	..	..	..	..	..
Chelsea,	31,264	..	..	..	..	..	..	..
Haverhill,	30,209	11	3	1	1	..	1	..
Malden,	29,709	12	2	2	6	..	1	1
Gloucester,	28,211	..	..	..	..	..	..	..
Newton,	27,590	8	1	2	1	..	..	1
Taunton,	27,115	10	1	..	1	..	..	..
Fitchburg,	26,409	9	0	..	1	..	..	..
Waltham,	20,876	11	5	1	3	..	..	..
Quincy,	20,712	5	1	1	..	..	..	1
Pittsfield,	20,461	7	1	1	2	..	..	1
North Adams,	19,135	4	0	1	3	..	..	..
Everett,	18,573	6	2	2	1	..	..	1
Northampton,	16,746	..	..	..	..	..	..	..
Chicopee,	16,420	..	..	..	..	..	..	..
Brookline,	16,164	2	0	..	..	..	..	..
Marlborough,	14,977	..	..	..	..	..	..	..
Newburyport,	14,552	12	3	1	2	..	..	..
Medford,	14,474	1	1	..	1	..	..	..
Woburn,	14,178	..	..	..	..	..	..	..
Melrose,	11,965	5	0	1	..	..	..	..
Hyde Park,	11,826	5	1	..	1	..	..	..
Beverly,	11,806	..	..	..	..	..	..	..
Clinton,	11,497	3	1	..	..	..	..	..
Weymouth,	11,291	..	..	..	..	..	..	..
Westfield,	10,663	3	0	..	..	..	..	..
Peabody,	10,507	..	..	..	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under five.	Infectious Diseases.	Acute Lung Diseases.	Diarrhœal Diseases.	Typhoid Fever.	Diphtheria and Croup.
Total of reporting towns,	1,523,959	644	177	68	148	9	7	34

DEATHS FROM PREVALENT DISEASES IN 29 CITIES AND LARGER TOWNS OF MASSACHUSETTS.

Sixty-eight deaths were reported from the principal infectious diseases; diphtheria and croup, 34; diarrhœal diseases, 9; scarlet-fever and typhoid fever, 7 each; whooping-cough, 4; measles and puerperal fever, 2 each; cerebro-spinal meningitis, erysipelas and malarial fever, each 1.

No deaths were reported from small-pox.

There were 148 deaths from acute lung diseases; consumption, 66; still-births, 29.

From scarlet-fever: Boston, 5; New Bedford and Lawrence, 1 each. From whooping-cough: Boston, 2; Lynn and Waltham, 1 each. From measles: North Adams and Newburyport, 1 each. From puerperal fever: Boston and Cambridge, 1 each. From cerebro-spinal meningitis: Melrose, 1. From erysipelas: North Adams, 1. From malarial fever: Everett, 1.

Deaths under five years of age numbered 177, as compared with 195 for the preceding week.

Deaths from the principal infectious diseases numbered 68, as compared with 56 for the preceding week.

The death rates for the week were: Boston, 27.42; Worcester, 14.74; Fall River, 21.57; Lowell, 29.58; Cambridge, 20.46; Lynn, 15.82; New Bedford, 19.76; Somerville, 14.94; Lawrence, 33.86; Springfield, 18.16; Holyoke, ——; Salem, 19.60; Brockton, 4.70; Chelsea, ——; Haverhill, 18.71; Malden, 21.00; Gloucester, ——; Newton, 15.08; Taunton, 19.18; Fitchburg, 17.73; Waltham, 27.39; Quincy, 12.50; Pittsfield, 17.78; North Adams, 10.88; Everett, 16.80; Northampton, ——; Chicopee, ——; Marlborough, ——; Newburyport, ——; Medford, 3.59; Woburn, ——.

The total death rate for the week was 21.31, as compared with 22.79 and 19.58 for the previous two weeks.

CASES OF INFECTIOUS DISEASES REPORTED TO THE STATE BOARD OF HEALTH DURING THE WEEK ENDING APRIL 25, 1896.

(Under the Provisions of Chapter 302 of the Acts of 1893.)

Scarlet-fever, ...	70.	Measles, ...	156.
Diphtheria and croup, ...	127.	Typhoid fever, ...	22.

(SIGNED) S. W. ABBOTT, M.D., *Secretary of the State Board of Health.*

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*		RAIN-FALL.	
Week ending Saturday, April 25, 1896.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A. M.	8 P. M.	MEAN.	8 A. M.	8 P. M.	8 A. M.	8 P. M.	8 A. M.	8 P. M.	HOURS DURATION.	AMOUNT IN INCHES.
Sunday, 19,	30.04	60	71	48	78	75	76	E.	S. W.	2	12	C.	O.		0.05
Monday, 20,	30.00	68	75	61	41	30	36	N. W.	W.	12	8	C.	C.		0.34
Tuesday, 21,	29.86	52	64	40	58	86	72	E.	N. E.	18	12	O.	O.		0.08
Wednes'y, 22,	29.90	40	46	34	90	68	79	N.	N. W.	8	3	R.	O.		0.26
Thursday, 23,	30.11	52	65	39	53	48	50	N. W.	W.	9	6	C.	F.		0.00
Friday, 24,	30.22	48	51	45	38	53	46	N. E.	S. E.	12	12	C.	C.		0.00
Saturday, 25,	30.20	45	48	42	43	68	56	E.	S. E.	13	15	C.	C.		0.00
Week, - -															

* O., Cloudy; C., Clear; F., Fair; G., Fog; H., Hazy; S., Smoky; R., Rain; T., Threatening; N., Snow.

Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

—OF—

MASSACHUSETTS

FOR THE

Week ending Saturday, May 2, 1896.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XIV. No. 18.

Entered at the post-office at Boston as second-class matter.

This publication contains the returns of deaths made each week to the State Board of Health from cities and towns in Massachusetts having over 10,000 inhabitants in each. Once in each month it also contains the returns of deaths from such other towns as report to the Board.

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SAMUEL W. ABBOTT, M.D., *Secretary.*

MORTALITY OF MASSACHUSETTS

For the Week ending May 2, 1896.

Deaths reported to the State Board of Health in 28 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report will in future be published weekly, and will contain the returns from all cities and towns having a population of more than 10,000 inhabitants. A monthly report will also be issued, to contain the returns from all reporting towns for the month.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

The population employed in this summary is that of the State census of 1895.

CITIES AND TOWNS.	Population. 1895.	Reported Deaths in Each.	Deaths under five years.	Deaths from Principal Infectious Diseases.	Deaths from Acute Lung Diseases.	Deaths from Diarrhœal Diseases.	Deaths from Diphtheria and Croup.	Deaths from Measles.
Boston,	496,920	232	67	18	60	..	12	1
Worcester,	98,767	43	10	..	8	..	..	..
Fall River,	89,203	28	11	..	5	..	..	..
Lowell,	84,367	32	18	1	10	..	..	..
Cambridge,	81,643	23	11	2	5	1	1	..
Lynn,	62,354	14	..	1	5	..	..	..
New Bedford,	55,251	20	6	..	3	..	..	..
Somerville,	52,200	..	..	..	..	..	..	..
Lawrence,	52,164	19	7	..	7	..	..	..
Springfield,	51,522	14	8	2	3	1	..	..
Holyoke,	40,322	..	..	..	..	..	..	..
Salem,	34,473	10	6	..	1	..	..	..
Brockton,	33,165	11	0	1	2	..	1	..
Chelsea,	31,264	13	5	3	2	..	2	1
Haverhill,	30,209	6	..	1	1	1	..	..
Malden,	29,709	13	3	..	..	..	..	..
Gloucester,	28,211	..	..	..	..	..	..	..
Newton,	27,590	8	0	..	..	..	..	..
Taunton,	27,115	9	1	..	1	..	..	..
Fitchburg,	26,409	4	1	..	..	..	..	..
Waltham,	20,876	5	1	..	2	..	..	..
Quincy,	20,712	..	..	..	..	..	..	..
Pittsfield,	20,461	2	0	..	1	..	..	..
North Adams,	19,135	17	1	2	2	..	..	1
Everett,	18,573	2	1	..	..	..	..	..
Northampton,	16,746	8	3	..	..	..	..	..
Chicopee,	16,420	..	..	..	..	..	..	..
Brookline,	16,164	2	0	..	..	..	..	..
Marlborough,	14,977	..	..	..	..	..	..	..
Newburyport,	14,552	4	1	..	..	..	..	..
Medford,	14,474	6	3	..	2	..	..	..
Woburn,	14,178	..	..	..	..	..	..	..
Melrose,	11,965	..	..	..	..	..	..	..
Hyde Park,	11,826	5	2	1	2	..	..	..
Beverly,	11,806	..	..	..	..	..	..	..
Clinton,	11,497	5	1	..	..	..	..	..
Weymouth,	11,291	..	..	..	..	..	..	..
Westfield,	10,663	5	0	1	1	..	1	..
Peabody,	10,507	..	..	..	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under five.	Infectious Diseases.	Acute Lung Diseases.	Diarrhœal Diseases.	Diphtheria and Croup.	Measles.
Total of reporting towns,	1,590,778	560	167	33	123	3	17	3

DEATHS FROM PREVALENT DISEASES IN 28 CITIES AND LARGER TOWNS OF MASSACHUSETTS.

Thirty-three deaths were reported from the principal infectious diseases; diphtheria and croup, 17; measles, diarrhœal diseases, cerebro-spinal meningitis and erysipelas, each 3; whooping-cough and typhoid fever, 2 each.

No deaths were reported from small-pox, scarlet-fever, malarial fever and puerperal fever.

There were 123 deaths from acute lung diseases; consumption, 51; and still-births, 37.

From cerebro-spinal meningitis: Boston, Chelsea and North Adams, 1 each. From erysipelas: Boston, Lowell and Lynn, 1 each. From whooping-cough: Boston, 2. From typhoid fever: Boston and Hyde Park, 1 each.

Deaths under five years of age numbered 167, as compared with 177 for the preceding week.

Deaths from the principal infectious diseases numbered 33, as compared with 68 for the preceding week.

The death rates for the week were: Boston, 24.28; Worcester, 22.63; Fall River, 16.31; Lowell, 19.72; Cambridge, 14.70; Lynn, 19.15; New Bedford, 18.82; Somerville, ——; Lawrence, 18.92; Springfield, 14.12; Holyoke, ——; Salem, 15.08; Brockton, ——; Chelsea, 21.59; Haverhill, 10.20; Malden, 22.75; Gloucester, ——; Newton, 15.08; Taunton, 17.26; Fitchburg, 7.88; Waltham, 12.45; Quincy, ——; Pittsfield. 5.08; North Adams, ——; Everett, 5.60; Northampton, 24.84; Chicopee, ——; Marlborough, ——; Newburyport, 14.28; Medford, 21.54; Woburn, ——.

The total death rate for the week was 18.30, as compared with 21.31 and 22.79 for the previous two weeks.

CASES OF INFECTIOUS DISEASES REPORTED TO THE STATE BOARD OF HEALTH DURING THE WEEK ENDING MAY 2, 1896.

(Under the Provisions of Chapter 302 of the Acts of 1893.)

Scarlet-fever, ...	62.	Measles, ...	152.
Diphtheria and croup, ...	147.	Typhoid fever, ...	20.
Small-pox, ...	1.		

(SIGNED) S. W. ABBOTT, M.D., *Secretary of the State Board of Health.*

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*		RAIN-FALL.	
Week ending Saturday, May 2, 1896.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A. M.	8 P. M.	MEAN.	8 A. M.	8 P. M.	8 A. M.	8 P. M.	8 A. M.	8 P. M.	HOURS DURATION.	AMOUNT IN INCHES.
April.															
Sunday, 26,	30.28	43	46	40	74	90	82	E.	S. E.	8	7	O.	C.		0.00
Monday, 27,	30.45	42	45	39	86	81	84	E.	S. E.	5	10	O.	C.		0.00
Tuesday, 28,	30.32	52	66	38	79	66	72	S.	S. W.	6	12	O.	O.		0.00
Wednes'y, 29,	30.20	52	56	48	68	53	60	N.	S.	8	6	O.	C.		0.00
Thursday, 30,	30.25	52	52	43	30	36	33	N. E.	S.	10	11	C.	C.		0.00
May.															
Friday, 1,	30.20	45	52	38	53	20	36	N. E.	S.	14	10	C.	C.		0.00
Saturday, 2,	30.24	54	65	42	26	45	36	S. W.	S. W.	3	14	C.	O.		0.00
Week, - -	30.27		55	41			58								

* O., Cloudy; C., Clear; F., Fair; G., Fog; H., Hazy; S., Smoky; R., Rain; T., Threatening; N., Snow.

MONTHLY MORTALITY

In 7 smaller towns of Massachusetts, as reported to the State Board of Health for the month of April.

The total death rate of reporting towns were 8.6.

TOWNS.	POPULATION, 1895.	Reported Deaths in Each.	Deaths under five years of age.	DEATHS FROM				
				Infectious Diseases.	Consumption.	Acute Lung Diseases.	Heart Disease.	Diarrhœal Diseases.
Amesbury,	9,986	4	3	..	3	1	..	..
Leominster,	9,211	16	2	..	3	..	3	..
Watertown,	7,788	7	0	1	1	..	..	1
Revere,	7,423	4	1	..	1	..	..	..
Orange,	5,361	1	0	..	1	..	..	..
Hudson,	5,308	1	0	..	..	..	..	..
Merrimac,	2,301	1	0	..	..	..	..	..
Total of reporting towns,	47,378	34	6	1	9	1	3	1

Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

—OF—

MASSACHUSETTS

FOR THE

Week ending Saturday, May 9, 1896.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XIV. No. 19.

Entered at the post-office at Boston as second-class matter.

This publication contains the returns of deaths made each week to the State Board of Health from cities and towns in Massachusetts having over 10,000 inhabitants in each. Once in each month it also contains the returns of deaths from such other towns as report to the Board.

It also contains the reports of cases of infectious diseases returned by the boards of health of cities and towns.

Once in each month the work done under the Food and Drug Acts is also reported in this bulletin.

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SAMUEL W. ABBOTT, M.D., *Secretary.*

MORTALITY OF MASSACHUSETTS

For the Week ending May 9, 1896.

Deaths reported to the State Board of Health in 29 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report will in future be published weekly, and will contain the returns from all cities and towns having a population of more than 10,000 inhabitants. A monthly report will also be issued, to contain the returns from all reporting towns for the month.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

The population employed in this summary is that of the State census of 1895.

CITIES AND TOWNS.	Population. 1895.	Reported Deaths in Each.	Deaths under five years.	Deaths from				
				Principal Infectious Diseases.	Acute Lung Diseases.	Diarrhœal Diseases.	Diphtheria and Croup.	Whooping-cough.
Boston,	496,920	248	61	15	54	..	10	..
Worcester,	98,767	35	10	4	8	2	1	..
Fall River,	89,203	42	18	11	6	9	2	..
Lowell,	84,367	12	3	..	2	..	..	..
Cambridge,	81,643	23	6	2	3	1	1	..
Lynn,	62,354	20	3	2	2	..	1	..
New Bedford,	55,251	29	11	4	2	1	..	3
Somerville,	52,200	16	4	2	2	..	..	..
Lawrence,	52,164	21	7	..	6	..	..	..
Springfield,	51,522	15	4	1	3	..	1	..
Holyoke,	40,322	..	..	..	..	..	..	..
Salem,	34,473	18	5	..	3	..	..	..
Brockton,	33,165	10	1	..	..	..	..	..
Chelsea,	31,264	13	2	..	2	..	..	..
Haverhill,	30,209	11	7	1	1	..	1	..
Malden,	29,709	8	3	1	2	..	..	..
Gloucester,	28,211	..	..	..	..	..	..	..
Newton,	27,590	6	1	..	..	..	..	..
Taunton,	27,115	17	1	1	2	..	..	..
Fitchburg,	26,409	8	2	..	1	..	..	..
Waltham,	20,876	10	3	2	..	..	1	1
Quincy,	20,712	..	..	..	..	..	..	..
Pittsfield,	20,461	3	2	..	..	..	..	..
North Adams,	19,135	5	2	..	..	..	..	..
Everett,	18,573	5	4	..	1	..	..	..
Northampton,	16,746	..	..	..	..	..	..	..
Chicopee,	16,420	..	..	..	..	..	..	..
Brookline,	16,164	..	..	..	..	..	..	..
Marlborough,	14,977	..	..	..	..	..	..	..
Newburyport,	14,552	8	3	1	..	..	1	..
Medford,	14,474	5	3	1	..	..	..	..
Woburn,	14,178	5	2	..	..	..	..	..
Melrose,	11,965	2	0	..	..	..	..	..
Hyde Park,	11,826	7	6	..	6	..	..	..
Beverly,	11,806	..	..	..	..	..	..	..
Clinton,	11,497	2	2	..	..	..	..	..
Weymouth,	11,291	..	..	..	..	..	..	..
Westfield.	10,663	5	0	1	..	..	1	..
Peabody,	10,507	..	..	..	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under five.	Infectious Diseases.	Acute Lung Diseases.	Diarrhœal Diseases.	Diphtheria and Croup.	Whooping-cough.
Total of reporting towns,	1,532,525	609	176	49	106	13	20	4

DEATHS FROM PREVALENT DISEASES IN 29 CITIES AND LARGER TOWNS OF MASSACHUSETTS.

Forty-nine deaths were reported from the principal infectious diseases; diphtheria and croup, 20; diarrhœal diseases, 13; cerebro-spinal meningitis, 4; whooping-cough, 4; erysipelas and typhoid fever, each 3; scarlet-fever, 2.

No deaths were reported from small-pox, measles, puerperal fever and malarial fever.

There were 106 deaths from acute lung diseases; consumption, 74; and still-births, 34.

From cerebro-spinal meningitis: Somerville, 2; Worcester and Lynn, 1 each. From erysipelas: Boston, 2; Medford, 1. From typhoid fever: Boston, 2; Taunton, 1.

Deaths under five years of age numbered 176, as compared with 167 for the preceding week.

Deaths from the principal infectious diseases numbered 49, as compared with 33 for the preceding week.

The death rates for the week were: Boston, 25.95; Worcester, 18 42; Fall River, 24.48; Lowell, 7.39; Cambridge, 14.70; Lynn, 16.66; New Bedford, 27.28; Somerville, 15.93; Lawrence, 20.91; Springfield, 15.13; Holyoke, ——; Salem, 27.14; Brockton, 15.67; Chelsea, 21.59; Haverhill, 18.71; Malden, 14.00; Gloucester, ——; Newton, 11.31; Taunton, 32.50; Fitchburg, 15.76; Waltham, 24.90; Quincy, ——; Pittsfield. 7.62; North Adams, 13.60; Everett, 14.00; Northampton, ——; Chicopee, ——; Marlborough, ——; Newburyport, 28 56; Medford, 17.95; Woburn, 18.30.

The total death rate for the week was 19.29, as compared with 18.30 and 21.31 for the previous two weeks.

CASES OF INFECTIOUS DISEASES REPORTED TO THE STATE BOARD OF HEALTH DURING THE WEEK ENDING MAY 9, 1896.

(Under the Provisions of Chapter 302 of the Acts of 1893.)

Scarlet-fever,	82.	Measles,	154.
Diphtheria and croup,	147.	Typhoid fever,	24.

(SIGNED) S. W. ABBOTT, M.D., *Secretary of the State Board of Health.*

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROMETER.	THERMOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*		RAIN-FALL.	
Week ending Saturday, May 9, 1896.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A. M.	8 P. M.	MEAN.	8 A. M.	8 P. M.	8 A. M.	8 P. M.	8 A. M.	8 P. M.	HOURS DURATION.	AMOUNT IN INCHES.
Sunday, 3,	30.05	60	67	52	56	78	67	S. W.	S. W.	8	11	O.	O.		0.01
Monday, 4,	29.88	69	80	58	74	32	53	W.	N. W.	12	6	F.	F		0.00
Tuesday, 5,	29.90	56	67	46	89	92	90	E.	N.	12	14	O.	O.		T.
Wednes'y, 6,	30.26	45	47	43	81	76	78	N. E.	N. E.	21	22	O.	O.		0.00
Thursday, 7,	30.40	46	50	42	65	53	58	N. E.	S. E.	12	9	O.	C.		0.00
Friday, 8,	30.22	55	70	40	34	45	40	W.	S.	8	14	C.	C.		0.00
Saturday, 9,	29.84	68	84	53	69	59	64	W.	S. W.	8	11	F.	F.		0.01
Week, - -	30.08		66	48			64								

* O., Cloudy; C., Clear; F., Fair; G., Fog; H., Hazy; S., Smoky; R., Rain; T., Threatening; N., Snow.

INSPECTION OF FOOD AND DRUGS.

The following summary presents the results of the examinations of Food and Drugs by the State Board of Health in the month of April: —

ARTICLES EXAMINED.	Number found to be of good quality.	Number adulterated or varying from the legal standard.	TOTAL.	ARTICLES EXAMINED.	Number found to be of good quality.	Number adulterated or varying from the legal standard.	TOTAL.
Milk,	179	221	400	Maple Syrup,	0	6	6
Butter,	8	0	8	Canned Goods,	4	0	4
Cheese,	1	0	1	Honey,	11	2	13
Lard,	5	7	12	Tea,	5	0	5
Olive Oil,	0	1	1	Coffee,	9	4	13
Vinegar,	0	3	3	Cocoa,	1	0	1
Spices,	70	26	96	Confectionery,	10	0	10
Cream of Tartar,	20	1	21	Other articles of Food and Drinks,	17	7	24
Molasses,	5	0	5	Drugs,	48	22	70
Syrups,	..	..	..				
Maple Sugar,	7	6	13	Totals,	400	306	706

Percentage of adulteration, 41.9. The actual ratio of adulteration is very much less than this, since it is only suspicious articles of food to which the attention of the Board is directed. Certain staple products, such as sugar, flour and the various other cereal products, are very rarely adulterated, and require but little inspection. The work of the Board is, therefore, mainly devoted to the inspection of such articles as it has found, by several years of experience, to be especially liable to adulteration.

The ratio of samples of milk found to be below the standard was 55.2 per cent., as compared with 56.8 per cent. for the preceding month, while the percentage of other articles of food and drugs was 27.7.

LARD. — Examinations of samples of lard obtained in open market indicate a considerable increase in the adulteration of this article during the present season, as compared with collections made in November and December.

Out of fifteen samples obtained in the two months previous to January 1, 1896, fourteen proved, on analysis, to be genuine Lard.

Of twenty samples obtained in 1896 (mostly in April) eight were found to be genuine Lard and twelve were adulterated.

Another collection still later (in May) shows a marked improvement. Out of twelve samples nine proved to be genuine Lard, one was adulterated and the rest doubtful.

The adulterants were beef-fat and cotton-seed-oil.

One sample of *compound* lard, properly marked as such, is not included in the foregoing summary.

Nine complaints were entered in the courts during the month for violation of the laws relative to the inspection of food and drugs. Six of these were for violation of the statutes relative to the sale of Milk, two of Maple Sugar and one of Maple Syrup. Fines were imposed amounting to $379.60.

The samples of drugs found to be adulterated were Alcohol, Ether, Gin, Powdered Opium and Whiskey.

Cities and towns from which samples of food were collected were, Boston, Fall River, Cambridge, Somerville, Springfield, Holyoke, Salem, Malden, Taunton, Fitchburg, Waltham, Woburn, Arlington, Amherst, Brookline, Beverly, Dedham, Hyde Park, Lexington, Melrose, Milford, Wakefield, Watertown, Webster and Winchester.

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DIRECTIONS: Heat by setting the can in hot water. When as hot as can be borne comfortably spread the ANTIPHLOGISTINE over the affected breast at least ⅛ inch thick. Cover with absorbent cotton. Even and firm pressure over the whole breast is desirable and can best be obtained by a vest made as follows:— Take a piece of unbleached muslin, say 1 yard long by ½ yard wide; cut deep notches (about 9 inches) for the arms and a shallow one for the neck behind; pin the front together with safety pins drawing smooth and tight; pin the back and front together over the shoulders with some tension so as to make even pressure on the upper part of the breast. Renew in 24 hours or when it will peel off *en masse*. It is generally advisable in post-puerperal cases to massage the breast gently toward the nipple.

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(2). The degree of digestion can be regulated, i. e., increased or diminished, by lengthening or shortening the period of digestion when the Food is being prepared. See directions on each tin.

(3). The proportion of milk and water used can also be adjusted to the quantities considered desirable by the physician in each case, e. g., the food may be prepared with half milk and half water, but two-thirds milk and one-third water, or one-third milk and two-thirds water, could be substituted.

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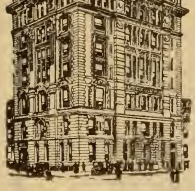

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Elegantly situated in the suburbs of the city, with every appointment and appliance for the treatment of this class of cases, including *Turkish* and *Electric Baths*. Experience shows that a large proportion of these cases are curable, and all are benefited from the application of exact hygienic and scientific measures. This institution is founded on the well-recognized fact that *Inebriety* is a *disease*, and *curable*, and all *these cases* require *rest, change of thought and living*, in the *best surroundings*, together with every means known to science and experience to bring about this result. New York Office: 115 West 49th Street, with Dr. Maniey, the first Tuesday of every month, from 12 to 4 P.M. Applications and all inquiries should be addressed,

T. D. CROTHERS, M.D.
Supt. Walnut Lodge, Hartford, Conn.

Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

—OF—

MASSACHUSETTS

FOR THE

Week ending Saturday, May 23, 1896.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XIV. No. 21.

Entered at the post-office at Boston as second-class matter.

This publication contains the returns of deaths made each week to the State Board of Health from cities and towns in Massachusetts having over 10,000 inhabitants in each. Once in each month it also contains the returns of deaths from such other towns as report to the Board.

It also contains the reports of cases of infectious diseases returned by the boards of health of cities and towns.

Once in each month the work done under the Food and Drug Acts is also reported in this bulletin.

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SAMUEL W. ABBOTT, M.D., *Secretary.*

MORTALITY OF MASSACHUSETTS

For the Week ending May 23, 1896.

Deaths reported to the State Board of Health in 28 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report will in future be published weekly, and will contain the returns from all cities and towns having a population of more than 10,000 inhabitants. A monthly report will also be issued, to contain the returns from all reporting towns for the month.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

The population employed in this summary is that of the State census of 1895.

CITIES AND TOWNS.	Population. 1895.	Reported Deaths in Each.	Deaths under five years.	Deaths from				
				Principal Infectious Diseases.	Acute Lung Diseases.	Diarrhœal Diseases.	Diphtheria and Croup.	Scarlet Fever.
Boston,	496,920	190	64	23	34	..	14	5
Worcester,	98,767	33	10	4	3	1	..	..
Fall River,	89,203	33	10	8	5	7	..	1
Lowell,	84,367	35	7	3	4	..	1	..
Cambridge,	81,643	25	9	3	2	1	..	..
Lynn,	62,354	21	9	1	..	..	..	..
New Bedford,	55,251	30	13	3	3	..	..	..
Somerville,	52,200	15	7	6	4	..	2	..
Lawrence,	52,164	19	9	1	2	..	..	..
Springfield,	51,522	24	6	1	4	..	1	..
Holyoke,	40,322	..	..	..	..	..	..	..
Salem,	34,473	14	3	..	3	..	..	..
Brockton,	33,165	6	0	1	..	..	..	..
Chelsea,	31,264	11	..	..	2	..	..	..
Haverhill,	30,209	11	5	1	..	..	..	1
Malden,	29,709	11	2	1	..	..	..	1
Gloucester,	28,211	..	..	..	..	..	..	..
Newton,	27,590	13	5	2	2	..	1	..
Taunton,	27,115	8	1	..	2	..	..	..
Fitchburg,	26,409	13	8	1	3	..	..	..
Waltham,	20,876	4	0	..	..	..	..	..
Quincy,	20,712	5	2	..	..	..	..	..
Pittsfield,	20,461	3	0	..	1	..	..	..
North Adams,	19,135	6	1	1	1	..	..	..
Everett,	18,573	5	3	1	..	..	1	..
Northampton,	16,746	..	..	..	..	..	..	..
Chicopee,	16,420	..	..	..	..	..	..	..
Brookline,	16,164	4	2	..	1	..	..	..
Marlborough,	14,977	..	..	..	..	..	..	..
Newburyport,	14,552	..	..	..	..	..	..	..
Medford,	14,474	5	1	1	..	..	1	..
Woburn,	14,178	..	..	..	..	..	..	..
Melrose,	11,965	1	1	..	..	..	..	..
Hyde Park,	11,826	..	..	..	..	..	..	..
Beverly,	11,806	..	..	..	..	..	..	..
Clinton,	11,497	6	2	..	..	..	..	..
Weymouth,	11,291	..	..	..	..	..	..	..
Westfield,	10,663	2	0	..	..	..	..	..
Peabody,	10,507	..	..	..	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under five.	Infectious Diseases.	Acute Lung Diseases.	Diarrhœal Diseases.	Diphtheria and Croup.	Scarlet Fever.
Total of reporting towns,	1,528,847	553	180	62	76	9	21	8

DEATHS FROM PREVALENT DISEASES IN 28 CITIES AND LARGER TOWNS OF MASSACHUSETTS.

Sixty-two deaths were reported from the principal infectious diseases; diphtheria and croup, 21; diarrhœal diseases, 9; scarlet-fever, 8; cerebro-spinal meningitis, 8; typhoid fever, 7; erysipelas, 4; whooping-cough, 3; measles, 2.

No deaths were reported from small-pox, malarial fever and puerperal fever.

There were 76 deaths from acute lung diseases; consumption, 67; and still-births, 33.

From cerebro-spinal meningitis: Somerville, 3; Worcester, 2; Lynn, Newton and North Adams, 1 each. From typhoid fever: Boston and Lowell, 2 each; New Bedford, Somerville and Fitchburg, 1 each. From erysipelas: Boston, 2; Worcester and Brockton, 1 each. From whooping-cough: Cambridge, New Bedford and Lawrence, 1 each. From measles: Cambridge and New Bedford, 1 each.

Deaths under five years of age numbered 180, as compared with 204 for the preceding week.

Deaths from the principal infectious diseases numbered 62, as compared with 52 for the preceding week.

The death rates for the week were: Boston, 19.88; Worcester, 17.37; Fall River, 19.23; Lowell, 21.57; Cambridge, 15.98; Lynn, 17.49; New Bedford, 28.23; Somerville, 14.94; Lawrence, 18.92; Springfield, 24.21; Holyoke, ——; Salem, 21.11; Brockton, 9.40; Chelsea, 18.27; Haverhill, 18.71; Malden, 19.25; Gloucester, ——; Newton, 24.50; Taunton, 15.34; Fitchburg, 25.61; Waltham, 9.96; Quincy, 12.50; Pittsfield, 7.62; North Adams, 16.32; Everett, 14.00; Northampton, ——; Chicopee, ——; Marlborough, ——; Newburyport, ——; Medford, 17.95; Woburn, ——.

The total death rate for the week was 18.81, as compared with 20.79 and 19.29 for the previous two weeks.

CASES OF INFECTIOUS DISEASES REPORTED TO THE STATE BOARD OF HEALTH DURING THE WEEK ENDING MAY 23, 1896.

(Under the Provisions of Chapter 302 of the Acts of 1893.)

Scarlet-fever, ...	68.	Measles, ...	192.
Diphtheria and croup, ...	164.	Typhoid fever, ...	25.

(SIGNED) S. W. ABBOTT, M.D., *Secretary of the State Board of Health.*

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROMETER.	THERMOMETER.			RELATIVE HUMIDITY.		DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*		RAIN-FALL.	
Week ending Saturday, May 23, 1896.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A. M.	8 P. M.	MEAN.	8 A. M.	8 P. M.	8 A. M.	8 P. M.	8 A. M.	8 P. M.	HOURS DURATION.	AMOUNT IN INCHES.
Sunday, 17,	29.88	71	82	60	53	67	60	W.	S.	10	8	O.	O.		0.00
Monday, 18,	29.73	74	85	63	40	36	38	S. W.	N. W.	16	25	F.	R.		T.
Tuesday, 19,	29.86	66	80	51	57	61	59	W.	N. W.	11	16	F.	C.		0.43
Wednes'y, 20,	30.32	57	66	48	50	52	51	E.	S.	6	12	C.	O.		0.00
Thursday, 21,	30.24	52	56	48	63	97	80	S. E.	N. E.	12	5	O.	O.		0.05
Friday, 22,	29.98	64	80	49	88	74	81	S. W.	S. W.	12	11	O.	F.		0.01
Saturday, 23,	30.20	62	68	56	55	80	68	N. E.	S. E.	10	4	O.	C.		0.00
Week, - -	30.03		74	53			63								0.49

* O., Cloudy; C., Clear; F., Fair; G., Fog; H., Hazy; S., Smoky; R., Rain; T., Threatening; N., Snow.

Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

—OF—

MASSACHUSETTS

FOR THE

Week ending Saturday, May 30, 1896.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XIV. No. 22.

Entered at the post-office at Boston as second-class matter.

This publication contains the returns of deaths made each week to the State Board of Health from cities and towns in Massachusetts having over 10,000 inhabitants in each. Once in each month it also contains the returns of deaths from such other towns as report to the Board.

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SAMUEL W. ABBOTT, M.D., *Secretary.*

MORTALITY OF MASSACHUSETTS

For the Week ending May 30, 1896.

Deaths reported to the State Board of Health in 26 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report will in future be published weekly, and will contain the returns from all cities and towns having a population of more than 10,000 inhabitants. A monthly report will also be issued, to contain the returns from all reporting towns for the month.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

The population employed in this summary is that of the State census of 1895.

CITIES AND TOWNS.	Population. 1895.	Reported Deaths in Each.	Deaths under five years.	Deaths from				
				Principal Infectious Diseases.	Acute Lung Diseases.	Diarrhœal Diseases.	Typhoid Fever.	Diphtheria and Croup.
Boston,	496,920	208	58	21	45	4	..	14
Worcester,	98,767	32	7	4	5	1	..	2
Fall River,	89,203	35	23	6	4	3	..	1
Lowell,	84,367	32	12	2	5	1	..	..
Cambridge,	81,643	16	3	3	1	..	..	2
Lynn,	62,354	14	1	1	..	..	..	1
New Bedford,	55,251	19	9	4	4	1	1	2
Somerville,	52,200	..	..	..	..	..	..	..
Lawrence,	52,164	..	..	..	..	..	..	..
Springfield,	51,522	20	10	2	5	1	..	1
Holyoke,	40,322	..	..	..	..	..	..	..
Salem,	34,473	12	3	1	1	..	..	..
Brockton,	33,165	6	3	..	..	..	..	..
Chelsea,	31,264	12	6	3	3	..	1	..
Haverhill,	30,209	10	5	3	2	..	2	..
Malden,	29,709	14	2	..	2	..	..	..
Gloucester,	28,211	..	..	..	..	..	..	..
Newton,	27,590	10	1	..	2	..	..	..
Taunton,	27,115	11	2	..	2	..	..	..
Fitchburg,	26,409	4	2	..	1	..	..	..
Waltham,	20,876	4	0	..	..	..	..	..
Quincy,	20,712	..	..	..	..	..	..	..
Pittsfield,	20,461	3	1	..	1	..	..	..
North Adams,	19,135	12	..	2	3	..	1	..
Everett,	18,573	4	2	..	1	..	..	..
Northampton,	16,746	..	..	..	..	..	..	..
Chicopee,	16,420	..	..	..	..	..	..	..
Brookline,	16,164	..	..	..	..	..	..	..
Marlborough,	14,977	..	..	..	..	..	..	..
Newburyport,	14,552	5	0	..	..	..	..	..
Medford,	14,474	3	0	..	2	..	..	..
Woburn,	14,178	4	0	..	1	..	..	..
Melrose,	11,965	3	1	..	..	..	..	..
Hyde Park,	11,826	..	..	..	..	..	..	..
Beverly,	11,806	..	..	..	..	..	..	..
Clinton,	11,497	2	0	..	..	..	..	..
Weymouth,	11,291	..	..	..	..	..	..	..
Westfield,	10,663	2	0	1	1	..	..	..
Peabody,	10,507	..	..	..	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under five.	Infectious Diseases.	Acute Lung Diseases.	Diarrhœal Diseases.	Typhoid Fever.	Diphtheria and Croup.
Total of reporting towns,	1,416,335	497	151	53	91	11	5	23

DEATHS FROM PREVALENT DISEASES IN 26 CITIES AND LARGER TOWNS OF MASSACHUSETTS.

Fifty-three deaths were reported from the principal infectious diseases; diphtheria and croup, 23; diarrhœal diseases, 11; typhoid fever and cerebro-spinal meningitis, each 5; scarlet-fever, 4; measles and whooping-cough, each 1.

No deaths were reported from small-pox, puerperal fever and malarial fever.

There were 91 deaths from acute lung diseases: consumption, 57; and still-births, 34.

From cerebro-spinal meningitis: Chelsea, 2; Worcester, Lowell, and Westfield, 1 each. From scarlet-fever: Fall River, 2; Boston and Salem, 1 each. From erysipelas: Boston, 2; Haverhill, 1. From measles: Boston, 1. From whooping-cough: Cambridge, 1.

Deaths under five years of age numbered 151, as compared with 188 for the preceding week.

Deaths from the principal infectious diseases numbered 53, as compared with 62 for the preceding week.

The death rates for the week were: Boston, 21.75; Worcester, 16.84; Fall River, 20.40; Lowell, 19.72; Cambridge, 10.17; Lynn, 11.66; New Bedford, 17.83; Somerville, ——; Lawrence, ——; Springfield, 20.18; Holyoke, ——; Salem, 18.09; Brockton, 9.40; Chelsea, 19.93; Haverhill, 17.01; Malden, 24.50; Gloucester, ——; Newton, 18.85; Taunton, 21.09; Fitchburg, 7.88; Waltham, 9.96; Quincy, ——; Pittsfield. 7.62; North Adams, 32.04; Everett, 11.20; Northampton, ——; Chicopee, ——; Marlborough, ——; Newburyport, 17.85; Medford, 10.77; Woburn, 14.64.

The total death rate for the week was 18.24, as compared with 18.81 and 20.79 for the previous two weeks.

CASES OF INFECTIOUS DISEASES REPORTED TO THE STATE BOARD OF HEALTH DURING THE WEEK ENDING MAY 30, 1896.

(Under the Provisions of Chapter 302 of the Acts of 1893.)

Scarlet-fever, ...	54.	Measles, ...	206.
Diphtheria and croup, ...	165.	Typhoid fever, ...	17.

(SIGNED) S. W. ABBOTT, M.D., *Secretary of the State Board of Health.*

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROMETER.	THERMOMETER.			RELATIVE HUMIDITY.		DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*		RAIN-FALL.	
Week ending Saturday, May 30, 1896.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A. M.	8 P. M.	MEAN.	8 A. M.	8 P. M.	8 A. M.	8 P. M.	8 A. M.	8 P. M.	HOURS DURATION.	AMOUNT IN INCHES.
Sunday, 24,	30.38	52	55	49	86	68	77	E.	S. E.	12	10	O.	O.		0.00
Monday, 25,	30.26	52	56	47	65	73	69	E.	S. E.	5	10	C.	C.		0.00
Tuesday, 26,	29.88	56	65	47	100	94	97	S. E.	S. W.	11	8	R.	O.		0.18
Wednes'y, 27,	29.89	70	82	59	54	50	52	W.	W.	9	8	F.	F.		0.00
Thursday, 28,	30.00	57	64	50	62	100	81	N. E.	E.	14	16	F.	R.		0.13
Friday, 29,	29.82	58	66	51	91	82	86	S. E.	N. E.	2	3	O.	O.		0.38
Saturday, 30,	29.88	62	75	50	61	51	56	S. W.	S	12	10	C.	C.		0.00
Week, - -	30.02		66	50			74								0.69

* O., Cloudy; C., Clear; F., Fair; G., Fog; H., Hazy; S., Smoky; R., Rain; T., Threatening; N., Snow.

Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

—OF—

MASSACHUSETTS

FOR THE

Week ending Saturday, June 6, 1896.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XIV. No. 23.

Entered at the post-office at Boston as second-class matter.

This publication contains the returns of deaths made each week to the State Board of Health from cities and towns in Massachusetts having over 10,000 inhabitants in each. Once in each month it also contains the returns of deaths from such other towns as report to the Board.

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SAMUEL W. ABBOTT, M.D., *Secretary.*

MORTALITY OF MASSACHUSETTS

For the Week ending June 6, 1896.

Deaths reported to the State Board of Health in 26 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report will in future be published weekly, and will contain the returns from all cities and towns having a population of more than 10,000 inhabitants. A monthly report will also be issued. to contain the returns from all reporting towns for the month.

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The population employed in this summary is that of the State census of 1895.

CITIES AND TOWNS.	Population. 1895.	Reported Deaths in Each.	Deaths under five years.	Deaths from				
				Principal Infectious Diseases.	Acute Lung Diseases.	Diarrhœal Diseases.	Typhoid Fever.	Diphtheria and Croup.
Boston,	496,920	184	65	21	33	3	3	7
Worcester,	98,767	26	13	2	3	..	..	..
Fall River,	89,203	34	18	5	3	4	..	1
Lowell,	84,367	27	9	3	2	1	1	..
Cambridge,	81,643	23	6	4	7	1	..	1
Lynn,	62,354	21	..	2	4	..	..	2
New Bedford,	55,251	23	6	..	3	..	..	..
Somerville,	52,200	20	2	2	5	..	..	2
Lawrence,	52,164	8	0	1	1	..	1	..
Springfield,	51,522	20	5	3	3	2	..	..
Holyoke,	40,322	..	..	..	..	..	..	..
Salem,	34,473	10	3	2	1	1	..	..
Brockton,	33,165	4	0	..	..	..	..	..
Chelsea,	31,264	3	0	..	..	..	..	..
Haverhill,	30,209	4	1	..	..	..	..	..
Malden,	29,709	5	0	..	1	..	..	..
Gloucester,	28,211	..	..	..	..	..	..	..
Newton,	27,590	13	1	..	2	..	..	..
Taunton,	27,115	12	1	1	..	..	..	1
Fitchburg,	26,409	7	3	1	..	..	..	1
Waltham,	20,876	4	1	..	..	..	..	..
Quincy,	20,712	..	..	..	..	..	..	..
Pittsfield,	20,461	..	..	..	..	..	..	..
North Adams,	19,135	..	..	..	..	..	..	..
Everett,	18,573	..	..	..	..	..	..	..
Northampton,	16,746	..	..	..	..	..	..	..
Chicopee,	16,420	..	..	..	..	..	..	..
Brookline,	16,164	..	..	..	..	..	..	..
Marlborough,	14,977	..	..	..	..	..	..	..
Newburyport,	14,552	6	2	1	..	..	1	..
Medford,	14,474	6	2	1	1	..	..	1
Woburn,	14,178	2	0	..	..	..	..	..
Melrose,	11,965	4	0	..	..	..	..	..
Hyde Park,	11,826	6	2	1	1	..	..	1
Beverly,	11,806	..	..	..	..	..	..	..
Clinton,	11,497	2	0	..	..	..	..	..
Weymouth,	11,291	..	..	..	..	..	..	..
Westfield,	10,663	3	1	..	..	..	..	..
Peabody,	10,507	..	..	..	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under five.	Infectious Diseases.	Acute Lung Diseases.	Diarrhœal Diseases.	Typhoid Fever.	Diphtheria and Croup.
Total of reporting towns,	1,474,356	477	141	50	70	12	6	17

DEATHS FROM PREVALENT DISEASES IN 26 CITIES AND LARGER TOWNS OF MASSACHUSETTS.

Fifty deaths were reported from the principal infectious diseases; diphtheria and croup, 17; typhoid fever, 6; measles, 5; scarlet-fever and whooping-cough, 4 each; cerebro-spinal meningitis and erysipelas, 1 each.

No deaths were reported from small-pox, puerperal fever and malarial fever.

There were 70 deaths from acute lung diseases; consumption, 63; and still-births, 32.

From measles: Boston, 2; Worcester, Lowell, and Cambridge, 1 each. From scarlet-fever: Boston, 3; Salem, 1. From whooping-cough: Boston, 2; Cambridge and Springfield, 1 each From cerebro-spinal meningitis: Worcester, 1. From erysipelas: Boston, 1.

Deaths under five years of age numbered 141, as compared with 151 for the preceding week.

Deaths from the principal infectious diseases numbered 50, as compared with 53 for the preceding week.

The death rates for the week were: Boston, 19.25; Worcester, 13.68; Fall River, 19.81; Lowell, 16.64; Cambridge, 14.70; Lynn, 17.49; New Bedford, 21.64; Somerville, 19.92; Lawrence, 7.96; Springfield, 20.18; Holyoke, ——; Salem, 15.08; Brockton, 6.27; Chelsea, 4.98; Haverhill, 6.80; Malden, 8.75; Gloucester, ——; Newton, 24.50; Taunton, 23.01; Fitchburg, 13.79; Waltham, 9.96; Quincy, ——; Pittsfield. ——; North Adams, ——; Everett, ——; Northampton, ——; Chicopee, ——; Marlborough, ——; Newburyport, 21.42; Medford, 21.54; Woburn, 7.32.

The total death rate for the week was 16.82, as compared with 18.24 and 18.81 for the previous two weeks.

CASES OF INFECTIOUS DISEASES REPORTED TO THE STATE BOARD OF HEALTH DURING THE WEEK ENDING JUNE 6, 1896.

(Under the Provisions of Chapter 302 of the Acts of 1893.)

Scarlet-fever,	81.	Measles.	269.
Diphtheria and croup,	161.	Typhoid fever,	29.

(SIGNED) S. W. ABBOTT, M.D., *Secretary of the State Board of Health.*

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*		RAIN-FALL.	
Week ending Saturday, June 6, 1896.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A. M.	8 P. M.	MEAN.	8 A. M.	8 P. M.	8 A. M.	8 P. M.	8 A. M.	8 P. M.	HOURS DURATION.	AMOUNT IN INCHES.
May. Sunday, 31,	29.74	64	72	56	95	64	77	S. E.	N. W.	12	5	R.	O.		0.48
June. Monday, 1,	29.90	64	73	54	59	53	56	N. W.	N. W.	13	12	F.	C.		T.
Tuesday, 2,	30.10	62	70	53	40	47	44	N. W.	N.	22	11	C.	C.		0.00
Wednes'y, 3,	30.15	65	80	50	50	42	46	W.	S. W.	9	11	C.	C.		0.00
Thursday, 4,	30.05	72	85	59	56	63	60	W.	S. W.	8	11	F.	C.		0.00
Friday, 5,	30.08	66	73	59	56	84	70	N.	E.	5	6	C.	C.		0.00
Saturday, 6,	30.20	60	64	55	74	89	82	N. E.	E.	9	13	F.	O.		0.00
Week, - -															

* O., Cloudy; C., Clear; F., Fair; G., Fog; H., Hazy; S., Smoky; R., Rain; T., Threatening; N., Snow.

MONTHLY MORTALITY

In 6 smaller towns of Massachusetts, as reported to the State Board of Health for the month of May.

The total death rate of reporting towns were 18.5.

TOWNS.	POPULATION, 1895.	Reported Deaths in Each.	Deaths under five years of age.	DEATHS FROM				
				Infectious Diseases.	Consumption.	Acute Lung Diseases.	Typhoid Fever.	Diphtheria and Croup.
Amesbury,	9,986	18	4	..	3	3	..	..
Leominster,	9,211	13	4	3	1	..	1	1
Revere,	7,423	11	1	1	..	1	..	..
Orange,	5,361	14	0	..	1	1	..	..
Hudson,	5,308	3	0	..	..	..	..	..
Merrimac,	2,301	2	0	..	1	..	..	..
Total of reporting towns,	39,590	61	9	4	6	5	1	1

Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

—OF—

MASSACHUSETTS

FOR THE

Week ending Saturday, June 13, 1896.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XIV. No. 24.

Entered at the post-office at Boston as second-class matter.

This publication contains the returns of deaths made each week to the State Board of Health from cities and towns in Massachusetts having over 10,000 inhabitants in each. Once in each month it also contains the returns of deaths from such other towns as report to the Board.

It also contains the reports of cases of infectious diseases returned by the boards of health of cities and towns.

Once in each month the work done under the Food and Drug Acts is also reported in this bulletin.

STATE BOARD OF HEALTH.

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SAMUEL W. ABBOTT, M.D., *Secretary.*

MORTALITY OF MASSACHUSETTS

For the Week ending June 13, 1896.

Deaths reported to the State Board of Health in 26 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report will in future be published weekly, and will contain the returns from all cities and towns having a population of more than 10,000 inhabitants. A monthly report will also be issued, to contain the returns from all reporting towns for the month.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

The population employed in this summary is that of the State census of 1895.

CITIES AND TOWNS.	POPULATION. 1895.	Reported Deaths in Each.	Deaths under five years.	DEATHS FROM				
				Principal Infectious Diseases.	Consumption.	Diarrhœal Diseases.	Typhoid Fever.	Diphtheria and Croup.
Boston,	496,920	174	53	24	33	2	..	10
Worcester,	98,767	35	13	5	5	1	..	1
Fall River,	89,203	52	35	16	5	16	..	..
Lowell,	84,367	20	5	3	3	1	1	..
Cambridge,	81,643	15	5	2	3	1	..	1
Lynn,	62,354	19	4	3	2	1	..	2
New Bedford,	55,251	17	3	2	2	..	1	..
Somerville,	52,200	..	..	..	..	..	..	..
Lawrence,	52,164	17	5	..	3	..	..	..
Springfield,	51,522	25	7	6	..	2	2	1
Holyoke,	40,322	..	..	..	..	..	..	..
Salem,	34,473	15	8	2	1	..	..	1
Brockton,	33,165	10	4	1	1	..	..	..
Chelsea,	31,264	9	1	..	3	..	..	..
Haverhill,	30,209	8	3	..	..	..	..	..
Malden,	29,709	10	2	..	1	..	..	..
Gloucester,	28,211	..	..	..	..	..	..	..
Newton,	27,590	8	1	1	2	..	..	1
Taunton,	27,115	9	5	..	3	..	..	..
Fitchburg,	26,409	9	1	1	1	1	..	..
Waltham,	20,876	1	1	1	..	..	..	..
Quincy,	20,712	3	2	..	..	..	..	..
Pittsfield,	20,461	..	..	..	..	..	..	..
North Adams,	19,135	..	..	..	..	..	..	..
Everett,	18,573	7	1	1	1	..	1	..
Northampton,	16,746	..	..	..	..	..	..	..
Chicopee,	16,420	..	..	..	..	..	..	..
Brookline,	16,164	..	..	..	..	..	..	..
Marlborough,	14,977	..	..	..	..	..	..	..
Newburyport,	14,552	3	0	..	..	..	..	..
Medford,	14,474	5	2	..	..	..	..	..
Woburn,	14,178	4	3	1	..	..	..	1
Melrose,	11,965	2	0	..	..	..	..	..
Hyde Park,	11,826	..	..	..	..	..	..	..
Beverly,	11,806	..	..	..	..	..	..	..
Clinton,	11,497	1	0	..	..	..	..	..
Weymouth,	11,291	..	..	..	..	..	..	..
Westfield,	10,663	2	1	..	1	..	..	..
Peabody,	10,507	..	..	..	..	..	..	..

RECAPITULATION.

	POPULATION.	Deaths.	Deaths under five.	Infectious Diseases.	Consumption.	Diarrhœal Diseases.	Typhoid Fever.	Diphtheria and Croup.
Total of reporting towns,	1,449,633	480	165	69	70	25	5	18

DEATHS FROM PREVALENT DISEASES IN 26 CITIES AND LARGER TOWNS OF MASSACHUSETTS.

Sixty-nine deaths were reported from the principal infectious diseases; diarrhœal diseases, 25; diphtheria and croup, 18; scarlet-fever, 5; typhoid fever, 5; measles, cerebro-spinal meningitis and whooping-cough, each 4; erysipelas and puerperal fever, each 2.

No deaths were reported from small-pox and malarial fever.

There were 70 deaths from consumption,; acute lung diseases 56; and still-births, 42.

From scarlet-fever: Boston, 5. From measles: Boston, 3; Salem, 1. From cerebro-spinal meningitis: Worcester, 2; Springfield and Brockton, 1 each. From whooping-cough: Boston, Lowell, New Bedford and Waltham, 1 each. From erysipelas: Boston and Worcester, 1 each. From puerperal fever: Boston, 2.

Deaths under five years of age numbered 165, as compared with 141 for the preceding week.

Deaths from the principal infectious diseases numbered 69, as compared with 50 for the preceding week.

The death rates for the week were: Boston, 18.21; Worcester, 18.42; Fall River, 30.31; Lowell, 12.32; Cambridge, 9.55; Lynn, 15.82; New Bedford, 15.99; Somerville, ——; Lawrence, 16.93; Springfield, 25.12; Holyoke, ——; Salem, 22.62; Brockton, 15.67; Chelsea, 14.94; Haverhill, 12.60; Malden, 17.50; Gloucester, ——; Newton, 15.08; Taunton, 17.26; Fitchburg, 17.73; Waltham, 2.49; Quincy, 7.50; Pittsfield. ——; North Adams, ——; Everett, 19.60; Northampton, ——; Chicopee, ——; Marlborough, ——; Newburyport, 10.71; Medford, 17.95; Woburn, 14.64.

The total death rate for the week was 17.22, as compared with 16.82 and 18.24 for the previous two weeks.

CASES OF INFECTIOUS DISEASES REPORTED TO THE STATE BOARD OF HEALTH DURING THE WEEK ENDING JUNE 13, 1896.

(Under the Provisions of Chapter 302 of the Acts of 1893.)

Scarlet-fever, ...	64.	Measles.	201.
Diphtheria and croup, ...	163.	Typhoid fever, ...	21.

(SIGNED) S. W. ABBOTT, M.D., *Secretary of the State Board of Health.*

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROMETER.	THERMOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*		RAIN-FALL.	
Week ending Saturday, June 13, 1896.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A. M.	8 P. M.	MEAN.	8 A. M.	8 P. M.	8 A. M.	8 P. M.	8 A. M.	8 P. M.	HOURS DURATION.	AMOUNT IN INCHES.
Sunday, 7,	30.09	56	59	54	69	97	83	S. E.	S.	8	8	O.	R.		0.40
Monday, 8,	29.87	56	57	54	100	100	100	E.	E.	9	11	R.	R.		0.30
Tuesday, 9,	29.63	66	77	55	98	88	93	N. E.	E.	3	4	O.	C.		0.19
Wednes'y, 10,	29.56	61	67	55	94	57	76	N. E.	N. W.	10	12	R.	C.		0.48
Thursday, 11,	29.54	61	72	50	48	46	47	W.	W.	14	12	C.	C.		0.00
Friday, 12,	29.64	62	69	56	54	64	59	N. W.	S. E.	18	5	O.	C.		0.00
Saturday, 13,	29.92	59	64	54	58	72	65	E.	E.	5	10	C.	O.		0.00
Week, - -	29.75		66	54			75								1.37

* O., Cloudy; C., Clear; F., Fair; G., Fog; H., Hazy; S., Smoky; R., Rain; T., Threatening; N., Snow.

INSPECTION OF FOOD AND DRUGS.

The following summary presents the results of the examinations of Food and Drugs by the State Board of Health in the month of May: —

ARTICLES EXAMINED.	Number found to be of good quality.	Number adulterated or varying from the legal standard.	TOTAL.	ARTICLES EXAMINED.	Number found to be of good quality.	Number adulterated or varying from the legal standard.	TOTAL.
Milk,	348	47	395	Maple Syrup,	3	0	3
Butter,	17	0	17	Canned Goods,	17	0	17
Cheese,	1	0	1	Honey,	3	1	4
Lard,	22	8	30	Tea,	9	0	9
Olive Oil,	1	0	1	Coffee,	11	2	13
Vinegar,	5	2	7	Cocoa,	3	1	4
Spices,	88	13	101	Confectionery,	2	0	2
Cream of Tartar,	32	3	35	Other articles of Food and Drinks,	7	3	10
Molasses,	13	0	13	Drugs,	3	4	7
Syrups,	..	..	..				
Maple Sugar,	1	0	1	Totals,	586	84	670

Percentage of adulteration, 12.5. The actual ratio of adulteration is very much less than this, since it is only suspicious articles of food to which the attention of the Board is directed. Certain staple products, such as sugar, flour and the various other cereal products, are very rarely adulterated, and require but little inspection. The work of the Board is therefore mainly devoted to the inspection of such articles as it has found, by several years of experience, to be especially liable to adulteration.

The ratio of samples of milk found to be below the standard was 11.9 per cent., as compared with 55.2 per cent. for the preceding month, while the percentage of other articles of food and drugs was 13.4. This apparent improvement in the quality of milk from April to May is due to the change in the standard of total solids, the required standard for April being 13 per cent., and that of May and June 12 per cent.

Seven complaints were entered in the courts during the month for violation of the laws relative to the inspection of food and drugs. Five of these were for violation of the statutes relative to the sale of Milk, and two of Maple Sugar. Fines were imposed amounting to $265.

The samples of drugs found to be adulterated were Distilled Water and Red Wine.

Packages of Spices marked Allspice, Pepper, Cloves, and Ginger, "*Always uniform and of reliable quality*, Wright, Gillies & Brothers, New York," were examined and found to contain the following ingredients: —

Pepper; contains wheat, buckwheat, rice, peas, and cayenne.

Allspice; contains peas, wheat, etc.

Cloves; contains peas and wheat.

Ginger; contains rice and peas.

Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

—OF—

MASSACHUSETTS

FOR THE

Week ending Saturday, June 20, 1896.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XIV. No. 25.

Entered at the post-office at Boston as second-class matter.

This publication contains the returns of deaths made each week to the State Board of Health from cities and towns in Massachusetts having over 10,000 inhabitants in each. Once in each month it also contains the returns of deaths from such other towns as report to the Board.

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SAMUEL W. ABBOTT, M.D., *Secretary.*

MORTALITY OF MASSACHUSETTS

For the Week ending June 20, 1896.

Deaths reported to the State Board of Health in 24 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report will in future be published weekly, and will contain the returns from all cities and towns having a population of more than 10,000 inhabitants. A monthly report will also be issued, to contain the returns from all reporting towns for the month.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

The population employed in this summary is that of the State census of 1895.

CITIES AND TOWNS.	POPULATION. 1895.	Reported Deaths in Each.	Deaths under five years.	DEATHS FROM				
				Principal Infectious Diseases.	Acute Lung Diseases.	Diphtheria and Croup.	Diarrhœal Diseases.	Scarlet Fever.
Boston,	496,920	181	62	21	27	9	1	8
Worcester,	98,767	27	12	4	4	..	2	..
Fall River,	89,203	52	30	21	7	1	20	..
Lowell,	84,367	32	13	8	5	..	8	..
Cambridge,	81,643	26	7	3	6	1	..	1
Lynn,	62,354	24	6	3	..	2	..	..
New Bedford,	55,251	22	6	3	4	2	1	..
Somerville,	52,200	..	..	..	..	..	..	..
Lawrence,	52,164	..	..	..	..	..	..	..
Springfield,	51,522	18	8	2	3	1	1	..
Holyoke,	40,322	..	..	..	..	..	..	..
Salem,	34,473	10	2	..	..	..	..	..
Brockton,	33,165	11	4	..	..	..	..	..
Chelsea,	31,264	7	2	2	1	1	..	..
Haverhill,	30,209	7	0	1	2	1	..	..
Malden,	29,709	6	0	..	..	..	..	..
Gloucester,	28,211	..	..	..	..	..	..	..
Newton,	27,590	10	2	..	..	..	..	..
Taunton,	27,115	8	4	1	1	1	..	..
Fitchburg,	26,409	4	3	..	..	..	..	..
Waltham,	20,876	4	2	..	1	..	..	..
Quincy,	20,712	6	2	1	1	..	..	1
Pittsfield,	20,461	6	1	1	1	..	..	..
North Adams,	19,135	..	..	..	..	..	..	..
Everett,	18,573	4	2	..	..	..	..	..
Northampton,	16,746	..	..	..	..	..	..	..
Chicopee,	16,420	..	..	..	..	..	..	..
Brookline,	16,164	..	..	..	..	..	..	..
Marlborough,	14,977	..	..	..	..	..	..	..
Newburyport,	14,552	..	..	..	..	..	..	..
Medford,	14,474	10	3	3	1	2	1	..
Woburn,	14,178	..	..	..	..	..	..	..
Melrose,	11,965	3	1	..	..	..	..	..
Hyde Park,	11,826	..	..	..	..	..	..	..
Beverly,	11,806	..	..	..	..	..	..	..
Clinton,	11,497	5	1	1	..	1	..	..
Weymouth,	11,291	..	..	..	..	..	..	..
Westfield,	10,663	2	0	..	..	..	..	..
Peabody,	10,507	..	..	..	..	..	..	..

RECAPITULATION.

	POPULATION.	Deaths.	Deaths under five.	Infectious Diseases.	Acute Lung Diseases.	Diphtheria and Croup.	Diarrhœal Diseases.	Scarlet Fever.
Total of reporting towns,	1,389,085	485	173	75	64	22	34	10

DEATHS FROM PREVALENT DISEASES IN 24 CITIES AND LARGER TOWNS OF MASSACHUSETTS.

Seventy-five deaths were reported from the principal infectious diseases; diarrhœal diseases, 34; diphtheria and croup, 22; scarlet-fever, 10; cerebro-spinal meningitis, 3; whooping-cough and typhoid fever, 2 each; erysipelas and puerperal fever, 1 each.

No deaths were reported from small-pox, measles and malarial fever.

There were 64 deaths from acute lung diseases; consumption, 57; and still-births, 30.

From cerebro-spinal meningitis: Worcester, 2; Chelsea, 1. From whooping-cough: Boston and Cambridge, 1 each. From typhoid fever: Lynn and Pittsfield, 1 each. From erysipelas: Boston, 1. From puerperal fever: Boston, 1.

Deaths under five years of age numbered 173, as compared with 165 for the preceding week.

Deaths from the principal infectious diseases numbered 75, as compared with 69 for the preceding week.

The death rates for the week were: Boston, 18.94; Worcester, 14.21; Fall River, 30.31; Lowell, 19.72; Cambridge, 16.62; Lynn, 19.99; New Bedford, 20.70; Somerville, ——; Lawrence, ——; Springfield, 18.16; Holyoke, ——; Salem, 15.08; Brockton, 17.24; Chelsea, 11.62; Haverhill, 11.90; Malden, 10.50; Gloucester, ——; Newton, 18.85; Taunton, 15.34; Fitchburg, 7.88; Waltham, 9.96; Quincy, 15.00; Pittsfield. 15.24; North Adams, ——; Everett, 11.20; Northampton, ——; Chicopee, ——; Marlborough, ——; Newburyport, ——; Medford, ——; Woburn, ——.

The total death rate for the week was 18.15, as compared with 17.22 and 16.82 for the previous two weeks.

CASES OF INFECTIOUS DISEASES REPORTED TO THE STATE BOARD OF HEALTH DURING THE WEEK ENDING JUNE 20, 1896.

(Under the Provisions of Chapter 302 of the Acts of 1893.)

Scarlet-fever, ...	82.	Measles.	230.
Diphtheria and croup, ...	155.	Typhoid fever, ...	22.

(SIGNED) S. W. ABBOTT, M.D., *Secretary of the State Board of Health.*

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROMETER.	THERMOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*		RAIN-FALL.	
Week ending Saturday, June 20, 1896.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A. M.	8 P. M.	MEAN.	8 A. M.	8 P. M.	8 A. M.	8 P. M.	8 A. M.	8 P. M.	HOURS DURATION.	AMOUNT IN INCHES.
Sunday, 14,	30.01	54	59	49	92	100	96	N. E.	N. E.	24	26	R.	R.		1.04
Monday, 15,	30.18	53	57	49	86	88	87	N.	S.	13	4	O.	O.		0.22
Tuesday, 16,	30.20	67	79	55	67	73	70	W.	S. W.	10	13	C.	F.		0.00
Wednes'y, 17,	30.10	68	76	60	75	73	74	S. W.	S.	7	13	O.	O.		T.
Thursday, 18,	29.96	70	80	61	82	82	82	W.	S. W.	4	7	O.,	C.		0.00
Friday, 19,	29.96	77	89	65	65	51	58	W.	S. W.	8	10	C.	F.		0.00
Saturday, 20,	29.90	80	90	69	72	55	64	W.	S. W.	10	11	O.	C.		0.00
Week, - -															

* O., Cloudy; C., Clear; F., Fair; G., Fog; H., Hazy; S., Smoky; R., Rain; T., Threatening; N., Snow.

Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

—OF—

MASSACHUSETTS

FOR THE

Week ending Saturday, June 27, 1896.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XIV. No. 26.

Entered at the post-office at Boston as second-class matter.

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MORTALITY OF MASSACHUSETTS

For the Week ending June 27, 1896.

Deaths reported to the State Board of Health in 26 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report will in future be published weekly, and will contain the returns from all cities and towns having a population of more than 10,000 inhabitants. A monthly report will also be issued. to contain the returns from all reporting towns for the month.

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The population employed in this summary is that of the State census of 1895.

CITIES AND TOWNS.	Population. 1895.	Reported Deaths in Each.	Deaths under five years.	Deaths from Principal Infectious Diseases.	Deaths from Consumption.	Deaths from Diarrhœal Diseases.	Deaths from Typhoid Fever.	Deaths from Diphtheria and Croup.
Boston,	496,920	229	76	24	25	6	4	11
Worcester,	98,767	36	12	6	5	2	..	2
Fall River,	89,203	55	35	28	4	27	..	..
Lowell,	84,367	42	18	16	3	12	1	1
Cambridge,	81,643	21	5	6	2	5	1	..
Lynn,	62,354	15	2	..	3	..	..	..
New Bedford,	55,251	14	7	..	3	..	..	..
Somerville,	52,200	..	..	..	..	..	..	..
Lawrence,	52,164	14	5	..	2	..	..	..
Springfield,	51,522	11	6	2	2	2	..	..
Holyoke,	40,322	..	..	..	..	..	..	..
Salem,	34,473	11	7	2	..	2	..	..
Brockton,	33,165	12	4	1	..	..	..	..
Chelsea,	31,264	9	0	1	2	..	1	..
Haverhill,	30,209	7	4	2	..	2	..	1
Malden,	29,709	6	0	1	..	..	..	..
Gloucester,	28,211	..	..	..	..	..	..	..
Newton,	27,590	10	3	..	2	..	..	..
Taunton,	27,115	13	2	2	1	..	..	2
Fitchburg,	26,409	..	..	..	..	..	..	..
Waltham,	20,876	4	0	..	..	..	..	..
Quincy,	20,712	4	2	2	..	..	..	1
Pittsfield,	20,461	6	6	3	..	..	..	3
North Adams,	19,135	7	1	1	..	..	..	..
Everett,	18,573	7	4	3	..	1	..	..
Northampton,	16,746	..	..	..	..	..	..	..
Chicopee,	16,420	..	..	..	..	..	..	..
Brookline,	16,164	..	..	..	..	..	..	..
Marlborough,	14,977	..	..	..	..	..	..	..
Newburyport,	14,552	1	1	..	..	..	..	..
Medford,	14,474	3	1	..	..	..	..	..
Woburn,	14,178	..	..	..	..	..	..	..
Melrose,	11,965	2	1	..	..	..	..	..
Hyde Park,	11,826	..	..	..	..	..	..	..
Beverly,	11,806	..	..	..	..	..	..	..
Clinton,	11,497	2	0	..	..	..	..	..
Weymouth,	11,291	..	..	..	..	..	..	..
Westfield,	10,663	4	1	..	..	..	..	..
Peabody,	10,507	..	..	..	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under five.	Infectious Diseases.	Consumption.	Diarrhœal Diseases.	Typhoid Fever.	Diphtheria and Croup.
Total of reporting towns,	1,448,624	545	203	100	54	59	7	21

DEATHS FROM PREVALENT DISEASES IN 26 CITIES AND LARGER TOWNS OF MASSACHUSETTS.

One hundred deaths were reported from the principal infectious diseases; diarrhœal diseases, 59; diphtheria and croup, 21; typhoid fever, 7; measles, scarlet-fever, cerebro-spinal meningitis and whooping-cough, each 3; erysipelas, 1.

No deaths were reported from small-pox, malarial fever and puerperal fever.

There were 54 deaths from consumption; acute lung diseases, 45; and still-births, 35.

From measles: Worcester, North Adams and Everett, 1 each. From scarlet-fever: Boston, Fall River and Malden, 1 each. From cerebro-spinal meningitis: Boston, Worcester and Quincy, 1 each. From whooping-cough: Boston, Lowell and Everett, 1 each.

Deaths under five years of age numbered 203, as compared with 203 for the preceding week.

Deaths from the principal infectious diseases numbered 100, as compared with 75 for the preceding week.

The death rates for the week were: Boston, 23.96; Worcester, 18.95; Fall River, 32.06; Lowell, 25.88; Cambridge, 13.42; Lynn, 12.49; New Bedford, 13.17; Somerville, ——; Lawrence, 13.94; Springfield, 11.09; Holyoke, ——; Salem, 16.58; Brockton, 18.81; Chelsea, 14.94; Haverhill, 11.90; Malden, 10.50; Gloucester, ——; Newton, 18.85; Taunton, 24.93; Fitchburg, ——; Waltham, 9.96; Quincy, 10.00; Pittsfield. 15.24; North Adams, 19.04; Everett, 19.60; Northampton, ——; Chicopee, ——; Marlborough, ——; Newburyport, 3.57; Medford, 10.77; Woburn, ——.

The total death rate for the week was 19.65, as compared with 18.15 and 17.22 for the previous two weeks.

CASES OF INFECTIOUS DISEASES REPORTED TO THE STATE BOARD OF HEALTH DURING THE WEEK ENDING JUNE 27, 1896.

(Under the Provisions of Chapter 302 of the Acts of 1893.)

Scarlet-fever, ...	105.	Measles.	242.
Diphtheria and croup, ...	142.	Typhoid fever, ...	42.

(SIGNED) S. W. ABBOTT, M.D., *Secretary of the State Board of Health.*

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROMETER.	THERMOMETER.			RELATIVE HUMIDITY.		DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*		RAIN-FALL.	
Week ending Saturday, June 27, 1896.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A. M.	8 P. M.	MEAN.	8 A. M.	8 P. M.	8 A. M.	8 P. M.	8 A. M.	8 P. M.	HOURS DURATION.	AMOUNT IN INCHES.
Sunday, 21,	29.85	82	92	71	73	82	78	W.	W.	5	12	F.	O.		0.03
Monday, 22,	29.72	80	89	70	76	62	70	W.	W.	11	10	O.	O.		0.00
Tuesday, 23,	30.04	68	77	58	54	44	49	N. W.	N.	15	5	C.	F.		0.00
Wednes'y, 24,	30.26	65	72	58	58	66	62	E.	S. W.	5	7	F.	O.		0.00
Thursday, 25,	30.34	62	58	66	74	70	72	E.	S. E.	5	13	C.	O.		0.00
Friday, 26,	30.04	70	78	61	82	82	83	S. W.	S. W.	12	10	O.	C.		0.01
Saturday, 27,	29.95	73	82	64	63	63	63	N. W.	S. W.	8	9	O.	C.		0.00
Week, - -	30.03		78	64			68								0·04

* O., Cloudy; C., Clear; F., Fair; G., Fog; H., Hazy; S., Smoky; R., Rain; T., Threatening; N., Snow.

Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

—OF—

MASSACHUSETTS

FOR THE

Week ending Saturday, July 4, 1896.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XIV. No. 27.

Entered at the post-office at Boston as second-class matter.

This publication contains the returns of deaths made each week to the State Board of Health from cities and towns in Massachusetts having over 10,000 inhabitants in each. Once in each month it also contains the returns of deaths from such other towns as report to the Board.

It also contains the reports of cases of infectious diseases returned by the boards of health of cities and towns.

Once in each month the work done under the Food and Drug Acts is also reported in this bulletin.

STATE BOARD OF HEALTH.

HENRY P. WALCOTT, M.D., Cambridge, *Chairman.*
GERARD C. TOBEY, Esq., Wareham.
FRANK W. DRAPER, M.D., Boston.
HIRAM F. MILLS, C.E., Lawrence.
JAMES W. HULL, Pittsfield.
CHARLES H. PORTER, Quincy.
JULIAN A. MEAD, M.D., Watertown.

SAMUEL W. ABBOTT, M.D., *Secretary.*

MORTALITY OF MASSACHUSETTS

For the Week ending July 4, 1896.

Deaths reported to the State Board of Health in 24 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report will in future be published weekly, and will contain the returns from all cities and towns having a population of more than 10,000 inhabitants. A monthly report will also be issued, to contain the returns from all reporting towns for the month.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

The population employed in this summary is that of the State census of 1895.

CITIES AND TOWNS.	Population. 1895.	Reported Deaths in Each.	Deaths under five years.	Deaths from				
				Principal Infectious Diseases.	Acute Lung Diseases.	Diarrhœal Diseases.	Typhoid Fever.	Diphtheria and Croup.
Boston,	496,920	193	66	32	18	14	1	10
Worcester,	98,767	27	13	6	1	5	..	..
Fall River,	89,203	78	62	49	5	44	1	3
Lowell,	84,367	50	35	27	5	22	..	..
Cambridge,	81,643	22	9	10	..	7	..	3
Lynn,	62,354	22	5	2	..	..	1	1
New Bedford,	55,251	16	7	3	2	2	..	1
Somerville,	52,200	..	..	..	..	..	..	..
Lawrence,	52,164	..	..	..	..	..	..	..
Springfield,	51,522	11	3	2	1	2	..	..
Holyoke,	40,322	..	..	..	..	..	..	..
Salem,	34,473	12	3	3	1	2	..	1
Brockton,	33,165	7	2	2	..	..	..	..
Chelsea,	31,264	12	3	1	1	..	..	..
Haverhill,	30,209	16	..	5	1	3	2	..
Malden,	29,709	4	2	1	1	..	..	1
Gloucester,	28,211	..	..	..	..	..	..	..
Newton,	27,590	9	2	..	..	..	..	..
Taunton,	27,115	5	1	..	1	..	..	..
Fitchburg,	26,409	6	2	..	..	..	..	..
Waltham,	20,876	9	3	1	3	1	..	..
Quincy,	20,712	..	..	..	..	..	..	..
Pittsfield,	20,461	2	1	1	1	1	..	..
North Adams,	19,135	4	2	..	..	..	..	..
Everett,	18,573	6	3	..	..	..	..	..
Northampton,	16,746	..	..	..	..	..	..	..
Chicopee,	16,420	..	..	..	..	..	..	..
Brookline,	16,164	0	0	..	..	..	..	..
Marlborough,	14,977	..	..	..	..	..	..	..
Newburyport,	14,552	7	3	1	..	..	..	1
Medford,	14,474	3	1	1	1	1	..	..
Woburn,	14,178	..	..	..	..	..	..	..
Melrose,	11,965	..	..	..	..	..	..	..
Hyde Park,	11,826	..	..	..	..	..	..	..
Beverly,	11,806	..	..	..	..	..	..	..
Clinton,	11,497	..	..	..	..	..	..	..
Weymouth,	11,291	..	..	..	..	..	..	..
Westfield,	10,663	2	0	..	..	..	..	..
Peabody,	10,507	..	..	..	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under five.	Infectious Diseases.	Acute Lung Diseases.	Diarrhœal Diseases.	Typhoid Fever.	Diphtheria and Croup.
Total of reporting towns,	1,394,859	523	228	147	42	104	5	21

DEATHS FROM PREVALENT DISEASES IN 24 CITIES AND LARGER TOWNS OF MASSACHUSETTS.

One hundred and forty-seven deaths were reported from the principal infectious diseases; diarrhœal diseases, 104; diphtheria and croup, 21; scarlet-fever and typhoid fever, each 5; cerebro-spinal meningitis and erysipelas, 3 each; measles, 2.

No deaths were reported from small-pox, puerperal fever and malarial fever.

There were 42 deaths from acute lung diseases; consumption, 41; and still-births, 36.

From scarlet-fever: Boston, 4; Fall River, 1. From cerebro-spinal meningitis: Brockton, 2; Worcester, 1. From erysipelas: Cambridge, 2; Boston, 1. From whooping-cough: Cambridge, 3; Chelsea, 1.

Deaths under five years of age numbered 228, as compared with 203 for the preceding week.

Deaths from the principal infectious diseases numbered 147, as compared with 100 for the preceding week.

The death rates for the week were: Boston, 20.19; Worcester, 14 21; Fall River, 45.47; Lowell, 30.82; Cambridge, 14.06: Lynn. 18.32; New Bedford, 15.05; Somerville, ——; Lawrence, ——; Springfield, 11.09; Holyoke, ——; Salem, 18.09; Brockton, 10.97: Chelsea, 19.93; Haverhill, 27.21; Malden, 7.00; Gloucester, ——; Newton, 16 96; Taunton, 9.59; Fitchburg, 11.82; Waltham, 22.41; Quincy, ——; Pittsfield. 5.08; North Adams, 10.88; Everett, 16.80; Northampton, ——; Chicopee, ——; Marlborough, ——; Newburyport, 24.99; Medford, 10.77; Woburn, ——.

The total death rate for the week was 19.50, as compared with 19.56 and 18.15 for the previous two weeks.

CASES OF INFECTIOUS DISEASES REPORTED TO THE STATE BOARD OF HEALTH DURING THE WEEK ENDING JULY 4, 1896.

(Under the Provisions of Chapter 302 of the Acts of 1893.)

Scarlet-fever, ...	54.	Measles.	127.
Diphtheria and croup, ...	104.	Typhoid fever, ...	28.

(SIGNED) S. W. ABBOTT, M.D., *Secretary of the State Board of Health.*

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROMETER.	THERMOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.			STATE OF WEATHER.*			RAIN-FALL.	
Week ending Saturday, July 4, 1896.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A. M.	8 P. M.	MEAN.	8 A. M.	8 P. M.	8 A. M.	8 P. M.		8 A. M.	8 P. M.		HOURS DURATION.	AMOUNT IN INCHES.
June.																	
Sunday, 28,	29.69	70	78	62	78	91	84	S. W.	S. W.	12	6		O.	O.			0.04
Monday, 29,	29.80	71	81	61	86	64	75	W.	W.	14	12		C.	C.			0.00
Tuesday, 30,	30.16	66	76	56	83	49	56	N.	S. W.	9	12		C.	C.			0.00
July.																	
Wednes'y, 1,	30.18	74	88	61	56	56	56	S. W.	S. W.	12	9		C.	C.			0.00
Thursday, 2,	30.10	77	88	66	67	78	72	S. W.	S. W.	9	13		F.	O.			0.00
Friday, 3,	30.14	71	83	59	66	78	72	W.	E.	5	7		C.	O.			0.00
Saturday, 4,	30.05	60	62	57	97	99	98	N. E.	N. E.	5	7		C.	R.			T.
Week, - -	30.01		79	60			73										0.04

* O., Cloudy; C., Clear; F., Fair; G., Fog; H., Hazy; S., Smoky; R., Rain; T., Threatening; N., Snow.

MONTHLY MORTALITY

In 6 smaller towns of Massachusetts, as reported to the State Board of Health for the month of June.

The total death rate of reporting towns were 11.8.

TOWNS.	Population, 1895.	Reported Deaths in Each.	Deaths under five years of age.	Deaths from				
				Infectious Diseases.	Acute Lung Diseases.	Consumption.	Cerebro-spinal Meningitis.	Diphtheria and Croup.
Amesbury,	9,986	7	1	..	2	..	..	..
Leominster,	9,211	9	2	3	..	..	..	3
Revere,	7,423	10	2	1	1	1	..	1
Orange,	5,361	4	1	1	1	1	1	..
Hudson,	5,308	4	0	1	..	1	..	1
Merrimac,	2,301	5	0	..	3	..	..	..
Total of reporting towns,	39,590	39	6	6	7	3	1	5

Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

— OF —

MASSACHUSETTS

FOR THE

Week ending Saturday, July 11, 1896.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XIV. No. 28.

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This publication contains the returns of deaths made each week to the State Board of Health from cities and towns in Massachusetts having over 10,000 inhabitants in each. Once in each month it also contains the returns of deaths from such other towns as report to the Board.

It also contains the reports of cases of infectious diseases returned by the boards of health of cities and towns.

Once in each month the work done under the Food and Drug Acts is also reported in this bulletin.

STATE BOARD OF HEALTH.

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SAMUEL W. ABBOTT, M.D., *Secretary.*

MORTALITY OF MASSACHUSETTS

For the Week ending July 11, 1896.

Deaths reported to the State Board of Health in 29 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report will in future be published weekly, and will contain the returns from all cities and towns having a population of more than 10,000 inhabitants. A monthly report will also be issued. to contain the returns from all reporting towns for the month.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

The population employed in this summary is that of the State census of 1895.

CITIES AND TOWNS.	Population. 1895.	Reported Deaths in Each.	Deaths under five years.	Deaths from Principal Infectious Diseases.	Consumption.	Diarrhœal Diseases.	Typhoid Fever.	Diphtheria and Croup.
Boston,	496,920	222	93	60	24	45	2	7
Worcester,	98,767	31	9	1	6	..	..	1
Fall River,	89,203	73	55	5	3	4	1	..
Lowell,	84,367	44	29	20	3	19	..	..
Cambridge,	81,643	39	16	9	6	6	..	2
Lynn,	62,354	14	..	5	..	4	1	..
New Bedford,	55,251	29	19	10	..	9	..	1
Somerville,	52,200	20	6	..	..	..	..	..
Lawrence,	52,164	..	..	..	..	..	..	..
Springfield,	51,522	22	10	7	3	6	..	1
Holyoke,	40,322	..	..	..	..	..	..	..
Salem,	34,473	12	4	..	..	..	..	..
Brockton,	33,165	13	7	6	2	6	..	..
Chelsea,	31,264	13	7	1	1	..	..	1
Haverhill,	30,209	13	8	2	..	2	..	..
Malden,	29,709	8	3	3	..	3	..	..
Gloucester,	28,211	..	..	..	..	..	..	..
Newton,	27,590	9	2	..	..	..	..	..
Taunton,	27,115	12	2	1	2	1	..	..
Fitchburg,	26,409	8	7	3	..	3	..	..
Waltham,	20,876	6	3	1	1	..	..	..
Quincy,	20,712	..	..	..	..	..	..	..
Pittsfield,	20,461	5	3	..	2	..	..	..
North Adams,	19,135	9	1	1	..	1	..	..
Everett,	18,573	4	0	..	..	..	..	..
Northampton,	16,746	..	..	..	..	..	..	..
Chicopee,	16,420	..	..	..	..	..	..	..
Brookline,	16,164	2	1	..	1	..	..	..
Marlborough,	14,977	..	..	..	..	..	..	..
Newburyport,	14,552	1	1	..	..	..	..	..
Medford,	14,474	6	4	2	..	1	..	1
Woburn,	14,178	4	4	..	..	..	..	..
Melrose,	11,965	4	0	..	..	..	..	..
Hyde Park,	11,826	4	1	..	..	..	..	..
Beverly,	11,806	..	..	..	..	..	..	..
Clinton,	11,497	1	0	..	..	..	..	..
Weymouth,	11,291	..	..	..	..	..	..	..
Westfield,	10,663	2	1	..	..	..	..	..
Peabody,	10,507	..	..	..	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under five.	Infectious Diseases.	Consumption.	Diarrhœal Diseases.	Typhoid Fever.	Diphtheria and Croup.
Total of reporting towns,	1,476,525	630	296	137	54	110	4	14

DEATHS FROM PREVALENT DISEASES IN 29 CITIES AND LARGER TOWNS OF MASSACHUSETTS.

One hundred and thirty-seven deaths were reported from the principal infectious diseases; diarrhœal diseases, 110; diphtheria and croup, 14; typhoid fever, 4; whooping-cough, 3; erysipelas, 2; measles, scarlet-fever, cerebro-spinal meningitis and malarial fever, 1 each.

No deaths were reported from small-pox and puerperal fever.

There were 54 deaths from consumption; acute lung diseases, 38; and still-births, 38.

From whooping-cough: Boston, Lowell and Waltham, 1 each. From erysipelas: Boston and Cambridge, 1 each. From measles: Boston, 1. From scarlet-fever: Boston, 1. From cerebro-spinal meningitis: Boston, 1.

Deaths under five years of age numbered 296, as compared with 228 for the preceding week.

Deaths from the principal infectious diseases numbered 137, as compared with 147 for the preceding week.

The death rates for the week were: Boston, 23.22; Worcester, 16.32; Fall River, ——; Lowell, 27.12; Cambridge, 24.93; Lynn, 12.66; New Bedford, 27.28; Somerville, 19.92; Lawrence, ——; Springfield, 22.19; Holyoke, ——; Salem, 18.09; Brockton, 20.38; Chelsea, 21.59; Haverhill, 22.71; Malden, 14.00; Gloucester, ——; Newton, 16.96; Taunton, 23.01; Fitchburg, 15.76; Waltham, 14.94; Quincy, ——; Pittsfield, 12.70; North Adams, 24.48; Everett, 11.20; Northampton, ——; Chicopee, ——; Marlborough, ——; Newburyport, 3.57; Medford, 21.54; Woburn, 14.64.

The total death rate for the week was 22.18 as compared with 19.20, and 19.56 for the previous two weeks.

CASES OF INFECTIOUS DISEASES REPORTED TO THE STATE BOARD OF HEALTH DURING THE WEEK ENDING JULY 11, 1896.

(Under the Provisions of Chapter 302 of the Acts of 1893.)

Scarlet-fever, ...	56.	Measles.	145.
Diphtheria and croup, ...	166.	Typhoid fever, ...	33.

(SIGNED) S. W. ABBOTT, M.D., *Secretary of the State Board of Health.*

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROMETER.	THERMOMETER.			RELATIVE HUMIDITY.		DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*		RAIN-FALL.	
Week ending Saturday, July 11, 1896.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A. M.	8 P. M.	MEAN.	8 A. M.	8 P. M.	8 A. M.	8 P. M.	8 A. M.	8 P. M.	HOURS DURATION.	AMOUNT IN INCHES.
Sunday, 5,	29.81	62	67	57	94	87	90	N.	S. E.	6	8	O.	O.		0.32
Monday, 6,	29.04	60	63	58	89	100	94	E.	E.	8	10	O.	O.		0.00
Tuesday, 7,	29.93	60	63	58	98	98	97	N. E.	N.	6	2	R.	R.		0.58
Wednes'y, 8,	30.09	68	76	59	63	72	67	W.	S. W.	8	10	F.	O.		0.04
Thursday, 9,	30.23	76	85	66	61	81	71	W.	S.	4	10	O.	C.		0.00
Friday, 10,	30.20	81	89	73	74	69	72	S. W.	S. W.	15	15	O.	C.		0.00
Saturday, 11,	30.03	79	86	72	76	52	64	S. W.	W.	13	8	F.	C.		0.00
Week, - -	32.76		76	63			79								0.94

* O., Cloudy; C., Clear; F., Fair; G., Fog; H., Hazy; S., Smoky; R., Rain; T., Threatening; N., Snow.

INSPECTION OF FOOD AND DRUGS.

The following summary presents the results of the examinations of Food and Drugs by the State Board of Health in the month of June: —

ARTICLES EXAMINED.	Number found to be of good quality.	Number adulterated or varying from the legal standard.	TOTAL.	ARTICLES EXAMINED.	Number found to be of good quality.	Number adulterated or varying from the legal standard.	TOTAL.
Milk,	287	40	327	Maple Syrup,	1	0	1
Butter,	27	0	27	Canned Goods,	..	..	..
Cheese,	5	0	5	Honey,	2	0	2
Lard,	..	..	..	Tea,	15	1	16
Olive Oil,	6	2	8	Coffee,	7	1	8
Vinegar,	3	4	7	Cocoa,	..	..	..
Spices,	104	18	122	Confectionery,	16	1	17
Cream of Tartar,	33	1	34	Other articles of Food and Drinks,	14	5	19
Molasses,	3	0	3	Drugs,	26	19	45
Syrups,	..	..	..				
Maple Sugar,	..	..	..	Totals,	549	92	641

Percentage of adulteration, 14.3. The actual ratio of adulteration is less than this, since it is only suspicious articles of food to which the attention of the Board is directed. Certain staple products, such as sugar, flour, and the various other cereal products, are very rarely adulterated, and require but little inspection. The work of the Board is therefore mainly devoted to the inspection of such articles as it has found, by several years of experience, to be especially liable to adulteration.

The ratio of samples of milk found to be below the standard was 12.2 per cent., as compared with 11.9 per cent. for the preceding month, while the percentage of other articles of food and drugs was 60.4.

Two complaints were entered in the courts during the month for violation of the laws relative to the inspection of Food and Drugs. Both of these were for violation of the statutes relative to the sale of Milk. Fines were imposed amounting to $100.

The samples of drugs found to be adulterated were Compound Spirits of Ether, and Whiskey.

Cities and towns from which samples of food were collected were: Boston, Worcester, Fall River, Lowell, Cambridge, Somerville, Lawrence, Chelsea, Haverhill, Malden, Newton, Quincy, Everett, Medford, Woburn, Arlington, Brookline, Dedham, Greenfield, Norwood, Provincetown, Reading, Stoneham, Sudbury, Watertown and Wellesley.

Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

—OF—

MASSACHUSETTS

FOR THE

Week ending Saturday, July 18, 1896.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XIV. No. 29.

Entered at the post-office at Boston as second-class matter.

This publication contains the returns of deaths made each week to the State Board of Health from cities and towns in Massachusetts having over 10,000 inhabitants in each. Once in each month it also contains the returns of deaths from such other towns as report to the Board.

It also contains the reports of cases of infectious diseases returned by the boards of health of cities and towns.

Once in each month the work done under the Food and Drug Acts is also reported in this bulletin.

STATE BOARD OF HEALTH.

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JULIAN A. MEAD, M.D., Watertown.

SAMUEL W. ABBOTT, M.D., *Secretary*

MORTALITY OF MASSACHUSETTS

For the Week ending July 18, 1896.

Deaths reported to the State Board of Health in 26 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report will in future be published weekly, and will contain the returns from all cities and towns having a population of more than 10,000 inhabitants. A monthly report will also be issued. to contain the returns from all reporting towns for the month.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

The population employed in this summary is that of the State census of 1895.

CITIES AND TOWNS.	POPULATION. 1895.	Reported Deaths in Each.	Deaths under five years.	DEATHS FROM				
				Principal Infectious Diseases.	Consumption.	Diarrhœal Diseases.	Typhoid Fever.	Diphtheria and Croup.
Boston,	496,920	345	198	116	25	104	1	3
Worcester,	98,767	43	27	19	6	17	..	..
Fall River,	89,203	87	66	55	2	54	..	..
Lowell,	84,367	55	33	17	6	17	..	..
Cambridge,	81,643	32	18	18	3	16	..	1
Lynn,	62,354	..	..	..	..	..	..	..
New Bedford,	55,251	50	42	32	1	31	..	..
Somerville,	52,200	..	..	..	..	..	..	..
Lawrence,	52,164	29	20	..	3	..	..	..
Springfield,	51,522	27	19	17	3	17	..	..
Holyoke,	40,322	..	..	..	..	..	..	..
Salem,	34,473	22	6	5	1	3	1	1
Brockton,	33,165	15	8	4	3	4	..	..
Chelsea,	31,264	17	10	6	2	4	1	1
Haverhill,	30,209	15	11	5	..	4	..	1
Malden,	29,709	11	4	5	2	3	1	1
Gloucester,	28,211	..	..	..	..	..	..	..
Newton,	27,590	12	9	6	..	6	..	..
Taunton,	27,115	16	11	9	..	9	..	..
Fitchburg,	26,409	12	7	6	2	6	..	..
Waltham,	20,876	6	3	2	..	1	1	..
Quincy,	20,712	10	3	3	1	2	..	..
Pittsfield,	20,461	6	5	2	3	2	..	..
North Adams,	19,135	18	12	12	..	8	..	..
Everett,	18,573	..	..	..	..	..	..	..
Northampton,	16,746	..	..	..	..	..	..	..
Chicopee,	16,420	..	..	..	..	..	..	..
Brookline,	16,164	5	2	..	..	..	..	..
Marlborough,	14,977	..	..	..	..	..	..	..
Newburyport,	14,552	6	3	1	..	..	1	..
Medford,	14,474	..	..	..	..	..	..	..
Woburn,	14,178	7	6	5	..	5	..	..
Melrose,	11,965	6	..	1	..	1	..	..
Hyde Park,	11,826	..	..	..	..	..	..	..
Beverly,	11,806	..	..	..	..	..	..	..
Clinton,	11,497	3	1	1	..	1	..	..
Weymouth,	11,291	..	..	..	..	..	..	..
Westfield,	10,663	4	1	1	1	1	..	..
Peabody,	10,507	..	..	..	..	..	..	..

RECAPITULATION.

	POPULATION.	Deaths.	Deaths under five.	Infectious Diseases.	Consumption.	Diarrhœal Diseases.	Typhoid Fever.	Diphtheria and Croup.
Total of reporting towns,	1,409,974	859	526	348	64	316	6	8

DEATHS FROM PREVALENT DISEASES IN 26 CITIES AND LARGER TOWNS OF MASSACHUSETTS.

Three hundred and forty-eight deaths were reported from the principal infectious diseases; diarrhœal diseases, 316; diphtheria and croup, 8; cerebro-spinal meningitis, 7; typhoid fever and scarlet-fever, each 6; measles and whooping-cough, each 2; erysipelas, 1.

No deaths were reported from small-pox and puerperal fever and malarial fever.

There were 64 deaths from consumption; acute lung diseases, 45; and still-births, 34.

From cerebro-spinal meningitis: North Adams, 4; Boston, Worcester and Cambridge, 1 each. From scarlet-fever: Boston, 4; Worcester and New Bedford, 1 each. From measles: Boston and Fall River, 1 each. From whooping-cough: Boston and Pittsfield, 1 each.

Deaths under five years of age numbered 526, as compared with 296 for the preceding week.

Deaths from the principal infectious diseases numbered 348, as compared with 137 for the preceding week.

The death rates for the week were: Boston, 36.10; Worcester, 22.63; Fall River, 45.92; Lowell, 33.90; Cambridge, 20.46; Lynn, ——; New Bedford, 47.05; Somerville, ——; Lawrence, 28.88; Springfield, 27.23; Holyoke, ——; Salem, 33.17; Brockton, 23.51; Chelsea, 28.23; Haverhill, 25.51; Malden, 19.25; Gloucester, ——; Newton, 22.62; Taunton, 30.68; Fitchburg, 23.64; Waltham, 14.94; Quincy, 25.00; Pittsfield. 15.24; North Adams, 48.96; Everett, ——; Northampton, ——; Chicopee, ——; Marlborough, ——; Newburyport, 21.42; Medford, ——; Woburn, 25.62.

The total death rate for the week was 31.68 as compared with 22.18, and 19.50 for the previous two weeks.

CASES OF INFECTIOUS DISEASES REPORTED TO THE STATE BOARD OF HEALTH DURING THE WEEK ENDING JULY 18, 1896.

(Under the Provisions of Chapter 302 of the Acts of 1893.)

Scarlet-fever, ...	54.	Measles.	145.
Diphtheria and croup, ...	136.	Typhoid fever, ...	35.

(SIGNED) S. W. ABBOTT, M.D., *Secretary of the State Board of Health.*

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROMETER.	THERMOMETER.			RELATIVE HUMIDITY.		DIRECTION OF WIND.			VELOCITY OF WIND.		STATE OF WEATHER.*		RAIN-FALL.	
Week ending Saturday, July 18, 1896.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A. M.	8 P. M.	MEAN.	8 A. M.	8 P. M.	8 A. M.	8 P. M.	8 A. M.	8 P. M.	HOURS DURATION.	AMOUNT IN INCHES.
Sunday, 12,	29.95	80	91	70	55	60	58	W.	S. W.	10	15	O.	C.		0.00
Monday, 13,	29.86	82	93	72	56	68	62	W.	W.	12	8	F.	C.		0.00
Tuesday, 14,	29.85	74	81	67	66	79	72	N. W.	S.	12	9	O.	F.		0.00
Wednes'y, 15,	29.70	76	86	66	80	71	76	S. W.	W.	10	11	R.	O.		0.36
Thursday, 16,	29.76	72	82	63	69	79	74	N. W.	N. E.	7	5	O.	C.		0.47
Friday, 17,	30.10	64	70	59	57	71	64	N.	S. E.	8	3	C.	C.		0.00
Saturday, 18,	30.36	67	74	60	70	67	68	N. E.	S. E.	4	3	C.	C.		0.00
Week, - -	29.94		82	65			68								0.83

* O., Cloudy; C., Clear; F., Fair; G., Fog; H., Hazy; S., Smoky; R., Rain; T., Threatening; N., Snow.

Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

—OF—

MASSACHUSETTS

FOR THE

Week ending Saturday, July 25, 1896.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XIV. No. 30.

Entered at the post-office at Boston as second-class matter.

This publication contains the returns of deaths made each week to the State Board of Health from cities and towns in Massachusetts having over 10,000 inhabitants in each. Once in each month it also contains the returns of deaths from such other towns as report to the Board.

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SAMUEL W. ABBOTT, M.D., *Secretary.*

MORTALITY OF MASSACHUSETTS

For the Week ending July 25, 1896.

Deaths reported to the State Board of Health in 27 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report will in future be published weekly, and will contain the returns from all cities and towns having a population of more than 10,000 inhabitants. A monthly report will also be issued, to contain the returns from all reporting towns for the month.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

The population employed in this summary is that of the State census of 1895.

CITIES AND TOWNS.	Population. 1895.	Reported Deaths in Each.	Deaths under five years.	Deaths from				
				Principal Infectious Diseases.	Consumption.	Diarrhœal Diseases.	Whooping-cough.	Diphtheria[a] and Croup.
Boston,	496,920	304	189	126	24	111	3	10
Worcester,	98,767	40	25	13	1	10	..	..
Fall River,	89,203	78	52	40	4	39	..	1
Lowell,	84,367	55	32	19	2	15	3	..
Cambridge,	81,643	57	35	25	7	23	..	2
Lynn,	62,354	17	12	3	2	3	..	..
New Bedford,	55,251	43	36	23	1	23	..	..
Somerville,	52,200	..	..	..	..	..	..	..
Lawrence,	52,164	..	..	..	..	..	..	..
Springfield,	51,522	37	15	15	1	14	..	..
Holyoke,	40,322	..	..	..	..	..	..	..
Salem,	34,473	31	20	14	2	14	..	..
Brockton,	33,165	25	16	10	2	10	..	..
Chelsea,	31,264	24	14	9	3	7	..	1
Haverhill,	30,209	19	9	5	1	5	..	..
Malden,	29,709	14	9	9	..	8	..	..
Gloucester,	28,211	..	..	..	..	..	..	..
Newton,	27,590	6	6	2	1	2	..	..
Taunton,	27,115	27	11	13	4	9	..	2
Fitchburg,	26,409	15	13	7	1	7	..	..
Waltham,	20,876	7	3	2	..	1	1	..
Quincy,	20,712	6	5	3	..	3	..	..
Pittsfield,	20,461	7	5	3	2	2	..	..
North Adams,	19,135	5	3	2	1	2	..	..
Everett,	18,573	5	1	2	..	2	..	..
Northampton,	16,746	..	..	..	..	..	..	..
Chicopee,	16,420	..	..	..	..	..	..	..
Brookline,	16,164	8	3	..	1	..	..	..
Marlborough,	14,977	..	..	..	..	..	..	..
Newburyport,	14,552	7	4	3	1	3	..	..
Medford,	14,474	9	8	7	..	7	..	..
Woburn,	14,178	..	..	..	..	..	..	..
Melrose,	11,965	8	6	6	..	5	..	1
Hyde Park,	11,826	..	..	..	..	..	..	..
Beverly,	11,806	..	..	..	..	..	..	..
Clinton,	11,497	7	6	2	1	2	..	..
Weymouth,	11,291	..	..	..	..	..	..	..
Westfield,	10,663	5	4	3	..	3	..	..
Peabody,	10,507	..	..	..	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under five.	Infectious Diseases.	Consumption.	Diarrhœal Diseases.	Whooping-cough.	Diphtheria and Croup.
Total of reporting towns,	1,440,033	866	542	366	62	330	7	17

DEATHS FROM PREVALENT DISEASES IN 27 CITIES AND LARGER TOWNS OF MASSACHUSETTS.

Three hundred and sixty-six deaths were reported from the principal infectious diseases; diarrhœal diseases, 330; diphtheria and croup, 17; whooping-cough, 7; measles, 4; scarlet-fever, cerebro-spinal meningitis and typhoid fever, each 2; erysipelas, 1.

No deaths were reported from puerperal fever and malarial fever.

There were 62 deaths from consumption; acute lung diseases, 37; and still-births, 32.

From measles: Boston, Worcester, Chelsea and Pittsfield, 1 each. From scarlet-fever: Springfield and Malden, 1 each. From cerebro-spinal meningitis: Worcester, 2. From typhoid fever: Boston and Taunton, 1 each. From erysipelas: Lowell, 1.

Deaths under five years of age numbered 542, as compared with 526 for the preceding week.

Deaths from the principal infectious diseases numbered 365, as compared with 348 for the previous week.

The death rates for the week were: Boston, 31.81; Worcester, 21.04; Fall River, 45.47; Lowell, 33.90; Cambridge, 36.30; Lynn, 14.16; New Bedford, 40.46; Somerville, ——; Lawrence, ——; Springfield, 37.33; Holyoke, ——; Salem, 46.74; Brockton, 39.19; Chelsea, 39.86; Haverhill, 32.31; Malden, 24.50; Gloucester, ——; Newton, 11.31; Taunton, 51.78; Fitchburg, 29.55; Waltham, 17.43; Quincy, 15.00; Pittsfield. 17.78; North Adams, 13.60; Everett, 14.00; Northampton, ——; Chicopee, ——; Marlborough, ——; Newburyport, 24.99; Medford, 32.31; Woburn, ——.

The total death rate for the week was 31.27 as compared with 31.68, and 22.18 for the previous two weeks.

CASES OF INFECTIOUS DISEASES REPORTED TO THE STATE BOARD OF HEALTH DURING THE WEEK ENDING JULY 25, 1896.

(Under the Provisions of Chapter 302 of the Acts of 1893.)

Scarlet-fever,	44.	Measles,	62.
Diphtheria and croup,	110.	Typhoid fever,	39.
Small-pox,	1.		

(SIGNED) S. W. ABBOTT, M.D., *Secretary of the State Board of Health.*

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROMETER.	THERMOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*		RAIN-FALL.	
Week ending Saturday, July 25, 1896.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A. M.	8 P. M.	MEAN.	8 A. M.	8 P. M.	8 A. M.	8 P. M.	8 A. M.	8 P. M.	HOURS DURATION.	AMOUNT IN INCHES.
Sunday, 19,	30.34	66	72	59	64	65	64	N. E.	S.	4	15	C.	O.		0.00
Monday, 20,	30.10	71	78	64	71	90	80	S. W.	S.	10	23	O.	O.		0.01
Tuesday, 21,	29.94	80	87	72	91	76	84	S. W.	S. W.	10	18	R.	C.		0.15
Wednes'y, 22,	29.94	77	83	71	86	82	84	W.	S.	6	16	O.	O.		0.00
Thursday, 23,	29.79	74	82	66	81	40	60	S. W.	N. W.	16	24	F.	C.		0.10
Friday, 24,	29.96	66	73	58	50	100	75	W.	S.	6	24	C.	R.		0.09
Saturday, 25,	29.88	66	75	57	92	66	79	N.	S. W.	15	16	O.	C.		0.56
Week, - -	29.99		79	64											0.91

* O., Cloudy; C., Clear; F., Fair; G., Fog; H., Hazy; S., Smoky; R., Rain; T., Threatening; N., Snow.

Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

—OF—

MASSACHUSETTS

FOR THE

Week ending Saturday, August 1, 1896.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XIV. No. 31.

Entered at the post-office at Boston as second-class matter.

This publication contains the returns of deaths made each week to the State Board of Health from cities and towns in Massachusetts having over 10,000 inhabitants in each. Once in each month it also contains the returns of deaths from such other towns as report to the Board.

It also contains the reports of cases of infectious diseases returned by the boards of health of cities and towns.

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SAMUEL W. ABBOTT, M.D., *Secretary.*

MORTALITY OF MASSACHUSETTS

For the Week ending August 1, 1896.

Deaths reported to the State Board of Health in 23 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report will in future be published weekly, and will contain the returns from all cities and towns having a population of more than 10,000 inhabitants. A monthly report will also be issued, to contain the returns from all reporting towns for the month.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

The population employed in this summary is that of the State census of 1895.

CITIES AND TOWNS.	POPULATION. 1895.	Reported Deaths in Each.	Deaths under five years.	DEATHS FROM				
				Principal Infectious Diseases.	Consumption.	Diarrhœal Diseases.	Typhoid Fever.	Diphtheria and Croup.
Boston,	496,920	291	155	96	30	83	3	6
Worcester,	98,767	51	30	20	2	16	..	2
Fall River,	89,203	58	44	31	2	30	..	1
Lowell,	84,367	48	27	21	1	20	..	..
Cambridge,	81,643	50	32	27	3	25	1	..
Lynn,	62,354	35	17	14	2	13	..	1
New Bedford,	55,251	49	23	21	1	19	..	..
Somerville,	52,200	..	..	..	..	..	..	..
Lawrence,	52,164	31	18	13	1	13	..	..
Springfield,	51,522	19	11	10	1	10	..	..
Holyoke,	40,322	..	..	..	..	..	..	..
Salem,	34,473	23	14	15	1	15	..	..
Brockton,	33,165	..	..	..	..	..	..	..
Chelsea,	31,264	..	..	..	..	..	..	..
Haverhill,	30,209	12	5	4	1	4	..	..
Malden,	29,709	16	10	9	..	9	..	..
Gloucester,	28,211	..	..	..	..	..	..	..
Newton,	27,590	15	6	7	2	5	..	2
Taunton,	27,115	13	6	8	1	7	1	..
Fitchburg,	26,409	11	8	5	..	5	..	..
Waltham,	20,876	12	7	5	2	3	..	..
Quincy,	20,712	..	..	..	..	..	..	..
Pittsfield,	20,461	7	7	6	1	5	..	1
North Adams,	19,135	10	5	5	1	5	..	..
Everett,	18,573	10	7	8	..	8	..	..
Northampton,	16,746	..	..	..	..	..	..	..
Chicopee,	16,420	..	..	..	..	..	..	..
Brookline,	16,164	3	3	..	..	..	..	..
Marlborough,	14,977	..	..	..	..	..	..	..
Newburyport,	14,552	8	5	4	1	4	..	..
Medford,	14,474	..	..	..	..	..	..	..
Woburn,	14,178	..	..	..	..	..	..	..
Melrose,	11,965	..	..	..	..	..	..	..
Hyde Park,	11,826	10	6	2	3	..	..	1
Beverly,	11,806	..	..	..	..	..	..	..
Clinton,	11,497	..	..	..	..	..	..	..
Weymouth,	11,291	..	..	..	..	..	..	..
Westfield,	10,663	3	2	2	..	2	..	..
Peabody,	10,507	..	..	..	..	..	..	..

RECAPITULATION.

	POPULATION.	Deaths.	Deaths under five.	Infectious Diseases.	Consumption.	Diarrhœal Diseases.	Typhoid Fever.	Diphtheria and Croup.
Total of reporting towns,	1,379,946	785	448	333	56	301	5	14

DEATHS FROM PREVALENT DISEASES IN 23 CITIES AND LARGER TOWNS OF MASSACHUSETTS.

One hundred and thirty-three deaths were reported from the principal infectious diseases; diarrhœal diseases, 301; diphtheria and croup, 14; whooping-cough, 7; typhoid fever. 5; cerebro-spinal meningitis, 4; scarlet-fever, 2.

No deaths were reported from small-pox, measles, erysipelas, puerperal fever and malarial fever.

There were 56 deaths from consumption; acute lung diseases, 29; and still-births, 29.

From whooping-cough: Boston and New Bedford, 2 each; Lowell, Cambridge and Hyde Park, 1 each. From cerebro-spinal meningitis: Worcester and Waltham, 2 each. From scarlet-fever: Boston, 2.

Deaths under five years of age numbered 448, as compared with 542 for the preceding week.

Deaths from the principal infectious diseases numbered 333, as compared with 366 for the preceding week.

The death rates for the week were: Boston, 30.45; Worcester, 26.84; Fall River, 33.81; Lowell, 29.56; Cambridge, 31.84; Lynn, 40.81; New Bedford, 46.10; Somerville, ——; Lawrence, 30.88; Springfield, 19.17; Holyoke, ——; Salem, 34.68; Brockton, ——; Chelsea, ——; Haverhill, 20.41; Malden, 28.00; Gloucester, ——; Newton, 28.27; Taunton, 24.93; Fitchburg, 29.88; Waltham, 21.67; Quincy, ——; Pittsfield. 17.78; North Adams, 27.20; Everett, 28.00; Northampton, ——; Chicopee, ——; Marlborough, ——; Newburyport, 28.56; Medford, ——; Woburn, ——.

The total death rate for the week was 29.85 as compared with 31.27, and 31.68 for the previous two weeks.

CASES OF INFECTIOUS DISEASES REPORTED TO THE STATE BOARD OF HEALTH DURING THE WEEK ENDING AUGUST 1, 1896.

(Under the Provisions of Chapter 302 of the Acts of 1893.)

Scarlet-fever, ...	31.	Measles.	53.
Diphtheria and croup, ...	98.	Typhoid fever, ...	31.

(SIGNED) S. W. ABBOTT, M.D., *Secretary of the State Board of Health.*

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROMETER.	THERMOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*		RAIN-FALL	
Week ending Saturday, August 1, 1896.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A. M.	8 P. M.	MEAN.	8 A. M.	8 P. M.	8 A. M.	8 P. M.	8 A. M.	8 P. M.	HOURS DURATION.	AMOUNT IN INCHES.
July. 26, Sunday,	30.06	74	85	62	59	60	60	W.	S. W.	9	14	C.	O.		0.00
27, Monday,	29.90	73	79	67	71	84	78	S. W.	S. W.	12	16	O.	O.		0.08
28, Tuesday,	29.96	76	81	72	68	69	68	N.	S.	8	9	C.	O.		T.
29, Wednes'y,	30.00	76	85	67	76	86	81	W.	S. W.	5	12	C.	F.		0.00
30, Thursday,	29.76	74	84	64	98	88	93	N. E.	E.	5	3	R.	O.		0.14
31, Friday,	29.93	70	78	61	54	34	44	N. W.	N. W.	24	12	C.	O.		0.00
August. 1, Saturday,	30.10	67	77	57	42	51	46	W.	S. W.	5	13	C.	F.		0.00
Week, - -	29.96		81	64			81								0.22

* O., Cloudy; C., Clear; F., Fair; G., Fog; H., Hazy; S., Smoky; R., Rain; T., Threatening; N., Snow.

MONTHLY MORTALITY

In 6 smaller towns of Massachusetts, as reported to the State Board of Health for the month of July.

The total death rate of reporting towns was 18.4.

TOWNS.	Population, 1895.	Reported Deaths in Each.	Deaths under five years of age.	Deaths from				
				Infectious Diseases.	Cosumption.	Diarrhœal Diseases.	Typhoid Fever.	Diphtheria and Croup.
Amesbury,	9,984	24	14	12	..	11	..	1
Revere,	7,473	11	2	..	3	..	..	..
Orange,	5,357	4	2	2	..	1	1	..
Hudson,	5,306	2	1	1	..	..	..	..
Easthampton,	4,790	9	7	..	2	..	..	..
Merrimac,	1,614	3	1	..	..	..	..	..
Total of reporting towns,	34,488	53	27	15	5	12	1	1

Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

—OF—

MASSACHUSETTS

FOR THE

Week ending Saturday, August 8, 1896.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XIV. No. 32.

Entered at the post-office at Boston as second-class matter.

This publication contains the returns of deaths made each week to the State Board of Health from cities and towns in Massachusetts having over 10,000 inhabitants in each. Once in each month it also contains the returns of deaths from such other towns as report to the Board.

It also contains the reports of cases of infectious diseases returned by the boards of health of cities and towns.

Once in each month the work done under the Food and Drug Acts is also reported in this bulletin.

STATE BOARD OF HEALTH.

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GERARD C. TOBEY, Esq., Wareham.
FRANK W. DRAPER, M.D., Boston.
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CHARLES H. PORTER, Quincy.
JULIAN A. MEAD, M.D., Watertown.

SAMUEL W. ABBOTT, M.D., *Secretary.*

MORTALITY OF MASSACHUSETTS

For the Week ending August 8, 1896.

Deaths reported to the State Board of Health in 22 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report will in future be published weekly, and will contain the returns from all cities and towns having a population of more than 10,000 inhabitants. A monthly report will also be issued. to contain the returns from all reporting towns for the month.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

The population employed in this summary is that of the State census of 1895.

CITIES AND TOWNS.	Population. 1895.	Reported Deaths in Each.	Deaths under five years.	Deaths from				
				Principal Infectious Diseases.	Consumption.	Diarrhœal Diseases.	Typhoid Fever.	Diphtheria[a] and Croup.
Boston,	496,920	270	133	85	34	71	2	6
Worcester,	98,767	38	28	20	2	16	..	..
Fall River,	89,203	53	36	22	7	21	1	..
Lowell,	84,367	59	35	24	4	20	1	1
Cambridge,	81,643	43	27	22	1	18	2	2
Lynn,	62,354	..	..	..	..	..	..	..
New Bedford,	55,251	27	19	14	1	13	..	1
Somerville,	52,200	..	..	..	..	..	..	..
Lawrence,	52,164	21	11	4	..	3	..	..
Springfield,	51,522	22	13	3	2	3	..	..
Holyoke,	40,322	..	..	..	..	..	..	..
Salem,	34,473	34	17	15	1	15	..	..
Brockton,	33,165	..	..	..	..	..	..	..
Chelsea,	31,264	..	..	..	..	..	..	..
Haverhill,	30,209	17	9	6	..	6	..	..
Malden,	29,709	8	4	3	..	2	..	1
Gloucester,	28,211	..	..	..	..	..	..	..
Newton,	27,590	14	8	5	1	5	..	..
Taunton,	27,115	13	7	5	..	5	..	..
Fitchburg,	26,409	..	..	..	..	..	..	..
Waltham,	20,876	14	7	7	1	6	..	..
Quincy,	20,712	..	..	..	..	..	..	..
Pittsfield,	20,461	6	3	2	1	2	..	..
North Adams,	19,135	6	..	4	..	3	..	1
Everett,	18,573	7	5	1	1	..	..	..
Northampton,	16,746	..	..	..	..	..	..	..
Chicopee,	16,420	..	..	..	..	..	..	..
Brookline,	16,164	..	..	..	..	..	..	..
Marlborough,	14,977	..	..	..	..	..	..	..
Newburyport,	14,552	5	2	3	..	3	..	..
Medford,	14,474	10	3	8	..	6	1	..
Woburn,	14,178	6	3	2	..	2	..	..
Melrose,	11,965	1	0	..	..	..	..	..
Hyde Park,	11,826	..	..	..	..	..	..	..
Beverly,	11,806	..	..	..	..	..	..	..
Clinton,	11,497	..	..	..	..	..	..	..
Weymouth,	11,291	..	..	..	..	..	..	..
Westfield,	10,663	3	3	2	..	2	..	..
Peabody,	10,507	..	..	..	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under five.	Infectious Diseases.	Consumption.	Diarrhœal Diseases.	Typhoid Fever.	Diphtheria and Croup.
Total of reporting towns,	1,303,810	677	378	257	56	222	7	12

DEATHS FROM PREVALENT DISEASES IN 22 CITIES AND LARGER TOWNS OF MASSACHUSETTS.

Two hundred and fifty-seven deaths were reported from the principal infectious diseases; diarrhœal diseases, 222; diphtheria and croup, 12; typhoid fever, 7; cerebro-spinal meningitis, 6; whooping-cough, 5; measles, 2; scarlet-fever, erysipelas and puerperal fever, each 1.

No deaths were reported from small-pox and malarial fever.

There were 56 deaths from consumption; acute lung diseases, 23; and still-births, 42.

From cerebro-spinal meningitis: Worcester, 4; Boston and Waltham, 1 each. From whooping-cough: Boston, 2; Lowell, Lawrence and Medford, 1 each. From measles: Boston and Lowell, 1 each. From scarlet-fever: Boston, 1. From erysipelas: Everett, 1. From puerperal fever: Boston, 1.

Deaths under five years of age numbered 378, as compared with 448 for the preceding week.

Deaths from the principal infectious diseases numbered 257, as compared with 333 for the preceding week.

The death rates for the week were: Boston, 28.25; Worcester, 20.00; Fall River, 30.89; Lowell, 36.36; Cambridge, 27.38; Lynn, ——; New Bedford, 25.40; Somerville, ——; Lawrence, 20.91; Springfield, 22.19; Holyoke, ——; Salem, 51.27; Brockton, ——; Chelsea, ——; Haverhill, 28.91; Malden, 14.00; Gloucester, ——; Newton, 26.39; Taunton, 24.93; Fitchburg, ——; Waltham, 34.86; Quincy, ——; Pittsfield. 15.24; North Adams, 16.32; Everett, 19.60; Northampton, ——; Chicopee, ——; Marlborough, ——; Newburyport, 17.85; Medford, 35.90; Woburn, ——.

The total death rate for the week was 27.00 as compared with 29.85, and 31.27 for the previous two weeks.

CASES OF INFECTIOUS DISEASES REPORTED TO THE STATE BOARD OF HEALTH DURING THE WEEK ENDING AUGUST 8, 1896.

(Under the Provisions of Chapter 302 of the Acts of 1893.)

Scarlet-fever, ...	30.	Measles, ...	39.
Diphtheria and croup, ...	75.	Typhoid fever, ...	44.

(SIGNED) S. W. ABBOTT, M.D., *Secretary of the State Board of Health.*

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROMETER.	THERMOMETER.			RELATIVE HUMIDITY.		DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*		RAIN-FALL.	
Week ending Saturday, August 8, 1896.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A. M.	8 P. M.	MEAN.	8 A. M.	8 P. M.	8 A. M.	8 P. M.	8 A. M.	8 P. M.	HOURS DURATION.	AMOUNT IN INCHES.
Sunday, 2,	29.80	66	71	62	100	84	92	E.	S.	7	5	R.	C.		0.77
Monday, 3,	29.98	71	81	61	72	74	73	W.	S.	7	7	C.	F.		0.00
Tuesday, 4,	29.94	78	90	67	74	62	68	W.	W.	7	7	C.	C.		0.00
Wednes'y, 5,	29.98	72	80	63	70	87	78	N.	N.	3	12	C.	O.		0.20
Thursday, 6,	30.12	65	69	64	91	96	94	N. E.	N. E.	7	7	O.	O.		0.49
Friday, 7,	29.97	77	90	61	95	74	84	W.	S. W.	10	12	O.	C.		0.06
Saturday, 8,	29.96	75	80	64	95	76	86	N. E.	S. E.	5	6	C.	C.		0.00
Week, - -															

* O., Cloudy; C., Clear; F., Fair; G., Fog; H., Hazy; S., Smoky; R., Rain; T., Threatening; N., Snow.

INSPECTION OF FOOD AND DRUGS.

The following summary presents the results of the examinations of Food and Drugs by the State Board of Health in the month of July: —

ARTICLES EXAMINED.	Number found to be of good quality.	Number adulterated or varying from the legal standard.	TOTAL.	ARTICLES EXAMINED.	Number found to be of good quality.	Number adulterated or varying from the legal standard.	TOTAL.
Milk,	439	112	551	Maple Syrup,	..	..	..
Butter,	44	..	44	Canned Goods,	1	0	1
Cheese,	7	..	7	Honey,	1	2	3
Lard,	..	..	..	Tea,	4	0	4
Olive Oil,	0	1	1	Coffee,	12	0	12
Vinegar,	0	2	2	Cocoa,	2	0	2
Spices,	76	2	78	Confectionery,	15	0	15
Cream of Tartar,	25	1	26	Other articles of Food and Drinks,	9	2	11
Molasses,	5	0	5	Drugs,	26	29	55
Syrups,	..	..	..				
Maple Sugar,	..	..	..	Totals,	666	151	817

Percentage of adulteration, 18.5. The actual ratio of adulteration is very much less than this, since it is only suspicious articles of food to which the attention of the Board is directed. Certain staple products, such as sugar, flour, and the various other cereal products, are very rarely adulterated, and require but little inspection. The work of the Board is therefore mainly devoted to the inspection of such articles as it has found, by several years of experience, to be especially liable to adulteration.

The ratio of samples of milk found to be below the standard was 20.3 per cent., as compared with 12.2 per cent. for the preceding month, the standard for the months of May and June being only 12 per cent. The lowest sample of Milk examined contained 5.05 per cent. of total solids.

Six complaints were entered in the courts during the month for violation of the laws relative to the inspection of Food and Drugs. All of these were for violation of the statutes relative to the sale of Milk. Fines were imposed amounting to $304.

The following figures afford a very good illustration of the advantages secured by the enactment of a well-devised Food and Drug Statute.

In 1884, soon after the enactment of the law and before an adequate appropriation had been provided for its enforcement, an examination of spices and cream of tartar as sold in open market in Massachusetts gave the following results:

Samples of spices collected in 1884, 431. Number adulterated, 216, or 50.1 per cent.

Samples of spices collected in July, 1896, 78. Number adulterated, 2, or 2.6 per cent.

Samples of cream of tartar collected in 1884, 232. Number adulterated, 77, or 33.2 per cent.

Samples of cream of tartar collected in July, 1896, 25, of which one was adulterated, or 4 per cent.

Out of 123 samples of butter, cheese, tea, coffee and confectionery collected in 1884, 15, or 12.2 per cent. were adulterated.

Out of 82 samples of the same articles collected under similar conditions in July, 1896, all proved to be genuine.

The samples of drugs found to be adulterated were Alcohol, Chlorinated Lime, Compound Spirits of Ether, Distilled Water, Extract of Liquorice, Lemon Juice, Oil of Lemon, Subnitrate of Bismuth, Syrup, Tincture of Iodine and White Wine.

Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

—OF—

MASSACHUSETTS

FOR THE

Week ending Saturday, August 15, 1896.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XIV. No. 33.

Entered at the post-office at Boston as second-class matter.

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SAMUEL W. ABBOTT, M.D., *Secretary.*

MORTALITY OF MASSACHUSETTS

For the Week ending August 15, 1896.

Deaths reported to the State Board of Health in 29 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report will in future be published weekly, and will contain the returns from all cities and towns having a population of more than 10,000 inhabitants. A monthly report will also be issued, to contain the returns from all reporting towns for the month.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

The population employed in this summary is that of the State census of 1895.

CITIES AND TOWNS.	POPULATION. 1895.	Reported Deaths in Each.	Deaths under five years.	DEATHS FROM				
				Principal Infectious Diseases.	Consumption.	Diarrhœal Diseases.	Typhoid Fever.	Diphtheria and Croup.
Boston,	496,920	357	142	85	31	70	4	5
Worcester,	98,767	50	18	15	3	11	1	2
Fall River,	89,203	78	45	23	1	18	5	..
Lowell,	84,367	65	33	27	2	27	..	..
Cambridge,	81,643	60	31	23	5	20	..	..
Lynn,	62,354	30	16	12	2	11	..	1
New Bedford,	55,251	40	27	20	4	16	3	1
Somerville,	52,200	..	..	..	..	..	..	..
Lawrence,	52,164	40	27	13	..	12	1	..
Springfield,	51,522	24	8	6	4	5	1	..
Holyoke,	40,322	..	..	..	..	..	..	..
Salem,	34,473	22	9	10	3	10	..	..
Brockton,	33,165	27	14	19	2	18	..	..
Chelsea,	31,264	12	4	1	1	1	..	..
Haverhill,	30,209	18	8	1	1	1	..	..
Malden,	29,709	14	5	5	1	4	..	..
Gloucester,	28,211	..	..	..	..	..	..	..
Newton,	27,590	20	9	6	1	6	..	..
Taunton,	27,115	19	8	7	1	6	..	..
Fitchburg,	26,409	17	14	10	..	10	..	..
Waltham,	20,876	11	3	3	1	3	..	..
Quincy,	20,712	10	8	2	1	2	..	..
Pittsfield,	20,461	8	7	8	..	7	1	..
North Adams,	19,135	4	2	2	..	2	..	..
Everett,	18,573	8	6	3	1	3	..	..
Northampton,	16,746	..	..	..	..	..	..	..
Chicopee,	16,420	..	..	..	..	..	..	..
Brookline,	16,164	5	3	..	1	..	..	..
Marlborough,	14,977	..	..	..	..	..	..	..
Newburyport,	14,552	4	1	..	..	..	..	..
Medford,	14,474	14	8	7	..	7	..	..
Woburn,	14,178	..	..	..	..	..	..	..
Melrose,	11,965	5	2	1	..	..	1	..
Hyde Park,	11,826	8	4	3	..	2	1	..
Beverly,	11,806	..	..	..	..	..	..	..
Clinton,	11,497	7	5	4	..	3	..	1
Weymouth,	11,291	..	..	..	..	..	..	..
Westfield,	10,663	6	2	1	2	1	..	..
Peabody,	10,507	..	..	..	..	..	..	..

RECAPITULATION.

	POPULATION.	Deaths.	Deaths under five.	Infectious Diseases.	Consumption.	Diarrhœal Diseases.	Typhoid Fever.	Diphtheria and Croup.
Total of reporting towns,	1,503,023	983	469	317	68	276	18	10

DEATHS FROM PREVALENT DISEASES IN 29 CITIES AND LARGER TOWNS OF MASSACHUSETTS.

Three hundred and seventeen deaths were reported from the principal infectious diseases; diarrhœal diseases, 276; typhoid fever, 18; diphtheria and croup, 10; cerebro-spinal meningitis and whooping-cough, each 5; measles, 2; scarlet-fever, 2.

No deaths were reported from small-pox, puerperal and malarial fever.

There were 68 deaths from consumption; acute lung diseases, 27; and still-births, 28.

From cerebro-spinal meningitis: Worcester, Cambridge, Brockton, Malden and Taunton, 1 each. From whooping-cough: Boston, 3; Cambridge, 2. From measles: Boston, 2. From scarlet-fever: Boston, 1.

Deaths under five years of age numbered 469, as compared with 378 for the preceding week.

Deaths from the principal infectious diseases numbered 317, as compared with 257 for the preceding week.

The death rates for the week were: Boston, 37.36; Worcester, 26.32; Fall River, 45.47; Lowell, 40.06; Cambridge, 38.21; Lynn, 24.99; New Bedford, 37.64; Somerville, ——; Lawrence, 39.84; Springfield, 24.21; Holyoke, ——; Salem, 33.17; Brockton, 42.33; Chelsea, 19.93; Haverhill, 30.61; Malden, 24.50; Gloucester, ——; Newton, 27.70; Taunton, 36.44; Fitchburg, 33.49; Waltham, 27.39; Quincy, 25.00; Pittsfield. 20.32; North Adams, 10.88; Everett, 22.44; Northampton, ——; Chicopee, ——; Marlborough, ——; Newburyport, 14.28; Medford, 51.26; Woburn, ——.

The total death rate for the week was 34.01 as compared with 27.00, and 29.85 for the previous two weeks.

CASES OF INFECTIOUS DISEASES REPORTED TO THE STATE BOARD OF HEALTH DURING THE WEEK ENDING AUGUST 15, 1896.

(Under the Provisions of Chapter 302 of the Acts of 1893.)

Scarlet-fever, ...	32.	Measles, ...	36.
Diphtheria and croup, ...	90.	Typhoid fever, ...	72.

(SIGNED) S. W. ABBOTT, M.D., *Secretary of the State Board of Health.*

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROMETER.	THERMOMETER.			RELATIVE HUMIDITY.		DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*		RAIN-FALL	
Week ending Saturday, Aug. 15, 1896.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A. M.	8 P. M.	MEAN.	8 A. M.	8 P. M.	8 A. M	8 P. M.	8 A. M.	8 P. M.	HOURS DURATION.	AMOUNT IN INCHES.
Sunday, 9,	29.90	82	92	72	68	79	74	S. W.	S.	9	6	F.	C.		0.00
Monday, 10,	29.92	86	95	76	70	70	70	W.	N. E.	4	6	O.	C.		0.00
Tuesday, 11,	29.96	82	89	76	62	64	63	N.	S. W.	7	4	C.	C.		0.00
Wednes'y, 12,	29.98	82	89	75	68	71	70	N. W.	S.	8	5	C.	C.		0.00
Thursday, 13,	30.04	76	81	70	74	79	76	N. W.	E.	4	3	F.	F.		0.20
Friday, 14,	30.07	71	75	67	88	94	91	E.	E.	6	8	O.	O.		T.
Saturday, 15,	30.16	67	60	64	86	92	89	N.	S. E.	5	7	O.	C.		0.00
Week, - -	30.00		84	71			76								0.20

* O., Cloudy; C., Clear; F., Fair; G., Fog; H., Hazy; S., Smoky; R., Rain; T., Threatening; N., Snow.

Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

—OF—

MASSACHUSETTS

FOR THE

Week ending Saturday, August 22, 1896.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XIV. No. 34.

Entered at the post-office at Boston as second-class matter.

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SAMUEL W. ABBOTT, M.D., *Secretary.*

MORTALITY OF MASSACHUSETTS

For the Week ending August 22, 1896.

Deaths reported to the State Board of Health in 27 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report will in future be published weekly, and will contain the returns from all cities and towns having a population of more than 10,000 inhabitants. A monthly report will also be issued, to contain the returns from all reporting towns for the month.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

The population employed in this summary is that of the State census of 1895.

CITIES AND TOWNS.	Population. 1895.	Reported Deaths in Each.	Deaths under five years.	Deaths from				
				Principal Infectious Diseases.	Consumption.	Diarrhœal Diseases.	Typhoid Fever.	Diphtheria and Croup.
Boston,	496,920	215	91	46	31	30	3	10
Worcester,	98,767	24	15	10	8	3	1	1
Fall River,	89,203	54	38	20	20	1	..	..
Lowell,	84,367	47	27	19	16	2	1	..
Cambridge,	81,643	28	10	7	7	4	..	..
Lynn,	62,354	23	10	4	4	1	..	..
New Bedford,	55,251	33	21	14	13	4	..	..
Somerville,	52,200	..	..	..	..	..	..	..
Lawrence,	52,164	..	..	..	..	..	..	..
Springfield,	51,522	18	8	3	..	3	..	..
Holyoke,	40,322	..	..	..	..	..	..	..
Salem,	34,473	20	10	7	1	6	..	..
Brockton,	33,165	12	3	9	..	9	..	..
Chelsea,	31,264	12	6	2	2	2	..	..
Haverhill,	30,209	7	2	1	1	..	1	..
Malden,	29,709	14	10	9	1	9	..	..
Gloucester,	28,211	..	..	..	..	..	..	..
Newton,	27,590	10	4	5	..	5	..	..
Taunton,	27,115	7	4	..	1	..	..	..
Fitchburg,	26,409	5	1	..	1	..	..	..
Waltham,	20,876	7	1	2	..	2	..	..
Quincy,	20,712	9	6	2	1	2	..	..
Pittsfield,	20,461	8	6	4	..	3	1	..
North Adams,	19,135	9	4	5	..	2	2	..
Everett,	18,573	10	5	2	..	2	..	..
Northampton,	16,746	..	..	..	..	..	..	..
Chicopee,	16,420	..	..	..	..	..	..	..
Brookline,	16,164	2	0	..	..	..	..	..
Marlborough,	14,977	..	..	..	..	..	..	..
Newburyport,	14,552	3	0	1	..	..	1	..
Medford,	14,474	5	1	2	..	1	..	1
Woburn,	14,178	2	1	..	..	..	..	..
Melrose,	11,965	..	..	..	..	..	..	..
Hyde Park,	11,826	..	..	..	..	..	..	..
Beverly,	11,806	..	..	..	..	..	..	..
Clinton,	11,497	9	3	4	1	4	..	..
Weymouth,	11,291	..	..	..	..	..	..	..
Westfield,	10,663	4	..	..	2	..	..	..
Peabody,	10,507	..	..	..	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under five.	Infectious Diseases.	Consumption.	Diarrhœal Diseases.	Typhoid Fever.	Diphtheria and Croup.
Total of reporting towns,	1,441,246	597	287	178	110	95	10	12

DEATHS FROM PREVALENT DISEASES IN 27 CITIES AND LARGER TOWNS OF MASSACHUSETTS.

One hundred and seventy-eight deaths were reported from the principal infectious diseases; diarrhœal diseases, 95; diphtheria and croup, 12; typhoid fever, 10; whooping-cough, 4; cerebro-spinal meningitis, 2; measles and erysipelas, each 1.

No deaths were reported from small-pox, puerperal fever and malarial fever.

There were 110 deaths from consumption; acute lung diseases, 19; still-births, 44.

From whooping-cough: Lowell, 2; Boston and New Bedford, 1 each. From cerebro-spinal meningitis: Salem and North Adams, 1 each. From measles: Boston, 1. From erysipelas: Boston, 1.

Deaths under five years of age numbered 287, as compared with 469 for the preceding week.

Deaths from the principal infectious diseases numbered 178, as compared with 317 for the preceding week.

The death rates for the week were: Boston, 22.49; Worcester, 12.63; Fall River, 31.48; Lowell, 28.97; Cambridge, 17.90; Lynn, 19.15; New Bedford, 31.05; Somerville, ——; Lawrence, ——; Springfield, 18.16; Holyoke, ——; Salem, 30.16; Brockton, 18.81; Chelsea, 19.93; Haverhill, 11.90; Malden, 24.50; Gloucester, ——; Newton, 18.85; Taunton, 13.42; Fitchburg, 9.85; Waltham, 17.43; Quincy, 22.50; Pittsfield, 20.32; North Adams, 24.48; Everett, 28.00; Northampton, ——; Chicopee, ——; Marlborough, ——; Newburyport, 9.33; Medford, 17.95; Woburn, 7.32.

The total death rate for the week was 21.54 as compared with 34.01, and 27.00 for the previous two weeks.

CASES OF INFECTIOUS DISEASES REPORTED TO THE STATE BOARD OF HEALTH DURING THE WEEK ENDING AUGUST 22, 1896.

(Under the Provisions of Chapter 302 of the Acts of 1893.)

Scarlet-fever, ...	41.	Measles.	25.
Diphtheria and croup, ...	149.	Typhoid fever, ...	85.

(SIGNED) S. W. ABBOTT, M.D., *Secretary of the State Board of Health.*

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*		RAIN-FALL.	
Week ending Saturday, Aug. 22, 1896.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A. M.	8 P. M.	MEAN.	8 A. M.	8 P. M.	8 A. M.	8 P. M.	8 A. M.	8 P. M.	HOURS DURATION.	AMOUNT IN INCHES.
Sunday, 16,	29.99	74	83	64	87	78	82	S.	S. W.	7	14	O.	O.		0.00
Monday, 17,	29.92	72	79	76	64	56	60	N.	E.	10	4	C.	C.		0.02
Tuesday, 18,	29.98	68	78	58	52	76	64	W.	S. W.	5	8	C.	O.		0.06
Wednes'y, 19,	30.11	60	67	54	68	60	64	N. W.	N. W.	15	9	C.	C.		0.08
Thursday, 20,	30.20	62	73	52	60	68	64	N. W.	S.	9	11	C.	C.		0.00
Friday, 21,	30.10	68	76	57	65	66	66	S. W.	S.	4	6	C.	C.		0.00
Saturday, 22,	30.14	68	75	62	87	80	84	S. W.	S.	9	7	O.	C.		0.05
Week, - -	30.06		76	60			69								

* O., Cloudy; C., Clear; F., Fair; G., Fog; H., Hazy; S., Smoky; R., Rain; T., Threatening; N., Snow.

Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

—OF—

MASSACHUSETTS

FOR THE

Week ending Saturday, August 29, 1896.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XIV. No. 35.

Entered at the post-office at Boston as second-class matter.

This publication contains the returns of deaths made each week to the State Board of Health from cities and towns in Massachusetts having over 10,000 inhabitants in each. Once in each month it also contains the returns of deaths from such other towns as report to the Board.

It also contains the reports of cases of infectious diseases returned by the boards of health of cities and towns.

Once in each month the work done under the Food and Drug Acts is also reported in this bulletin.

STATE BOARD OF HEALTH.

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FRANK W. DRAPER, M.D., Boston.
HIRAM F. MILLS, C.E., Lawrence.
JAMES W. HULL, Pittsfield.
CHARLES H. PORTER, Quincy.
JULIAN A. MEAD, M.D., Watertown.

SAMUEL W. ABBOTT, M.D., *Secretary.*

MORTALITY OF MASSACHUSETTS

For the Week ending August 29, 1896.

Deaths reported to the State Board of Health in 29 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report will in future be published weekly, and will contain the returns from all cities and towns having a population of more than 10,000 inhabitants. A monthly report will also be issued, to contain the returns from all reporting towns for the month.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

The population employed in this summary is that of the State census of 1895.

CITIES AND TOWNS.	Population. 1895.	Reported Deaths in Each.	Deaths under five years.	Deaths from Principal Infectious Diseases.	Consumption.	Diarrhœal Diseases.	Typhoid Fever.	Diphtheria and Croup.
Boston,	496,920	241	98	50	30	36	5	7
Worcester,	98,767	34	16	11	6	5	1	1
Fall River,	89,203	50	31	12	2	9	1	2
Lowell,	84,367	47	25	17	2	16	1	..
Cambridge,	81,643	18	8	6	1	4	1	..
Lynn,	62,354	19	..	6	1	5	..	..
New Bedford,	55,251	29	19	13	1	13	..	..
Somerville,	52,200	..	..	..	..	..	..	..
Lawrence,	52,164	23	13	11	..	10	..	1
Springfield,	51,522	29	13	7	3	7	..	..
Holyoke,	40,322	..	..	..	..	..	..	..
Salem,	34,473	10	5	4	1	3	..	..
Brockton,	33,165	15	7	8	1	8	..	..
Chelsea,	31,264	12	4	3	1	1	..	1
Haverhill,	30,209	20	9	5	1	4	1	..
Malden,	29,709	4	1	..	1	..	..	..
Gloucester,	28,211	..	..	..	..	..	..	..
Newton,	27,590	5	1	1	..	1	..	..
Taunton,	27,115	..	..	..	..	..	..	..
Fitchburg,	26,409	16	5	3	1	3	..	..
Waltham,	20,876	5	1	1	2	1	..	..
Quincy,	20,712	9	6	2	1	2	..	..
Pittsfield,	20,461	8	4	4	..	3	..	1
North Adams,	19,135	14	8	8	1	5	1	..
Everett,	18,573	12	8	3	3	3	..	..
Northampton,	16,746	..	..	..	..	..	..	..
Chicopee,	16,420	..	..	..	..	..	..	..
Brookline,	16,164	1	0	..	..	..	..	..
Marlborough,	14,977	..	..	..	..	..	..	..
Newburyport,	14,552	3	0	1	..	..	1	..
Medford,	14,474	5	2	3	..	2	1	..
Woburn,	14,178	1	1	1	..	1	..	..
Melrose,	11,965	9	0	..	1	..	..	..
Hyde Park,	11,826	8	4	5	1	1	..	3
Beverly,	11,806	..	..	..	..	..	..	..
Clinton,	11,497	6	3	2	..	2	..	..
Weymouth,	11,291	..	..	..	..	..	..	..
Westfield,	10,663	4	2	2	..	1	1	..
Peabody,	10,507	..	..	..	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under five.	Infectious Diseases.	Consumption.	Diarrhœal Diseases.	Typhoid Fever.	Diphtheria and Croup.
Total of reporting towns,	1,490,086	657	294	189	61	146	14	16

DEATHS FROM PREVALENT DISEASES IN 29 CITIES AND LARGER TOWNS OF MASSACHUSETTS.

One hundred and eighty-nine deaths were reported from the principal infectious diseases; diarrhœal diseases, 146; diphtheria and croup, 16; typhoid fever, 15; cerebro-spinal meningitis, 8; whooping-cough, 4; scarlet-fever, 1.

No deaths were reported from small-pox, measles, erysipelas, puerperal fever and malarial fever.

There were 61 deaths from consumption; still-births, 45; and acute lung diseases, 21.

From cerebro-spinal meningitis: Worcester, 4; North Adams, 2; Boston and Lynn, 1 each. From whooping-cough: Boston, Cambridge, Salem and Chelsea, 1 each. From scarlet-fever: Hyde Park, 1.

Deaths under five years of age numbered 294, as compared with 287 for the preceding week.

Deaths from the principal infectious diseases numbered 189, as compared with 178 for the preceding week.

The death rates for the week were: Boston, 25.22; Worcester, 17.90; Fall River, 29.15; Lowell, 28.97; Cambridge, 11.46; Lynn, 15.82; New Bedford, 27.28; Somerville, ——; Lawrence, 22.90; Springfield, 29.26; Holyoke, ——; Salem, ——; Brockton, 23.51; Chelsea, 19.93; Haverhill, 34.02; Malden, 7.00; Gloucester, ——; Newton, 9.42; Taunton, ——; Fitchburg, 31.52; Waltham, 12.45; Quincy, 22.50; Pittsfield. 20.32; North Adams, 38.08; Everett, 33.60; Northampton, ——; Chicopee, ——; Marlborough, ——; Newburyport, 10.71; Medford, 17.95; Woburn, 3.66.

The total death rate for the week was 22.92 as compared with 21.54, and 34.01 for the previous two weeks.

CASES OF INFECTIOUS DISEASES REPORTED TO THE STATE BOARD OF HEALTH DURING THE WEEK ENDING AUGUST 29, 1896.

(Under the Provisions of Chapter 302 of the Acts of 1893.)

Scarlet-fever, ...	55.	Measles.	24.
Diphtheria and croup, ...	110.	Typhoid fever, ...	109.

(SIGNED) S. W. ABBOTT, M.D., *Secretary of the State Board of Health.*

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.			STATE OF WEATHER.*			RAIN-FALL.	
Week ending Saturday, Aug. 29, 1896.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A. M.	8 P. M.	MEAN.	8 A. M.	8 P. M.	8 A. M.	8 P. M.		8 A. M.	8 P. M.		HOURS DURATION.	AMOUNT IN INCHES.
Sunday, 23,	29.97	69	74	64	76	80	78	S. E.	S.	7	9		F.	O.			0.06
Monday, 24,	29.94	76	83	68	76	93	84	W.	N. W.	8	4		O.	O.			0.02
Tuesday, 25,	30.09	68	72	63	55	53	54	N.	E.	12	7		C.	C.			0.00
Wednes'y, 26,	30.15	66	72	60	88	90	89	E.	S. E.	5	9		O.	O.			0.00
Thursday, 27,	30.06	68	74	62	84	67	76	S.	E.	4	2		C.	C.			0.06
Friday, 28,	30.26	62	70	55	56	88	72	N. W.	S. W.	5	5		C.	C.			0.00
Saturday, 29,	30.26	60	67	54	60	61	60	N.	S.	6	12		C.	C.			0.00
Week, - -																	0.14

* O., Cloudy; C., Clear; F., Fair; G., Fog; H., Hazy; S., Smoky; R., Rain; T., Threatening; N., Snow.

Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

—OF—

MASSACHUSETTS

FOR THE

Week ending Saturday, Oct. 3, 1896.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XIV. No. 40.

Entered at the post-office at Boston as second-class matter.

This publication contains the returns of deaths made each week to the State Board of Health from cities and towns in Massachusetts having over 10,000 inhabitants in each. Once in each month it also contains the returns of deaths from such other towns as report to the Board.

It also contains the reports of cases of infectious diseases returned by the boards of health of cities and towns.

Once in each month the work done under the Food and Drug Acts is also reported in this bulletin.

STATE BOARD OF HEALTH.

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SAMUEL W. ABBOTT, M.D., *Secretary.*

MONTHLY MORTALITY

In 4 smaller towns of Massachusetts, as reported to the State Board of Health for the month of September.

The total death rate of reporting towns was 10.6.

TOWNS.	Population, 1895.	Reported Deaths in Each.	Deaths under five years of age.	Deaths from				
				Infectious Diseases.	Consumption.	Diphtheria and Croup.	Diarrhœal Diseases.	Typhoid Fever.
Amesbury,	9,986	4	0	..	..	..	..	..
Revere,	7,423	7	1	1	..	..	1	..
Orange,	5,361	6	2	..	..	..	..	..
Hudson,	5,308	8	3	1	2	1	..	..
Total of reporting towns,	28,078	25	6	2	2	1	1	..

Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

—OF—

MASSACHUSETTS

FOR THE

Week ending Saturday, Oct. 10, 1896.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XIV. No. 41.

Entered at the post-office at Boston as second-class matter.

This publication contains the returns of deaths made each week to the State Board of Health from cities and towns in Massachusetts having over 10,000 inhabitants in each. Once in each month it also contains the returns of deaths from such other towns as report to the Board.

It also contains the reports of cases of infectious diseases returned by the boards of health of cities and towns.

Once in each month the work done under the Food and Drug Acts is also reported in this bulletin.

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SAMUEL W. ABBOTT, M.D., *Secretary.*

MORTALITY OF MASSACHUSETTS

For the Week ending October 10, 1896.

Deaths reported to the State Board of Health in 25 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report will in future be published weekly, and will contain the returns from all cities and towns having a population of more than 10,000 inhabitants. A monthly report will also be issued, to contain the returns from all reporting towns for the month.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

The population employed in this summary is that of the State census of 1895.

CITIES AND TOWNS.	Population. 1895.	Reported Deaths in Each.	Deaths under five years.	Deaths from				
				Principal Infectious Diseases.	Consumption.	Diarrhœal Diseases.	Typhoid Fever.	Diphtheria and Croup.
Boston,	496,920	192	67	28	29	7	5	12
Worcester,	98,767	16	7	2	1	1	1	..
Fall River,	89,203	..	..	..	..	..	..	..
Lowell,	84,367	31	7	10	5	5	1	4
Cambridge,	81,643	22	10	5	..	3	2	..
Lynn,	62,354	23	9	3	4	..	..	2
New Bedford,	55,251	18	8	4	1	3	1	..
Somerville,	52,200	10	4	2	3	1	..	1
Lawrence,	52,164	14	8	4	3	2	..	2
Springfield,	51,522	17	4	3	1	3	..	..
Holyoke,	40,322	..	..	..	..	..	..	..
Salem,	34,473	15	8	3	1	..	..	3
Brockton,	33,165	7	1	1	1	..	..	1
Chelsea,	31,264	6	1	..	..	..	..	..
Haverhill,	30,209	7	2	1	1	..	1	..
Malden,	29,709	8	1	1	2	..	1	..
Gloucester,	28,211	..	..	..	..	..	..	..
Newton,	27,590	7	3	1	..	1	..	..
Taunton,	27,115	13	2	2	2	..	1	1
Fitchburg,	26,409	9	4	2	1	..	..	2
Waltham,	20,876	7	5	..	1	..	..	..
Quincy,	20,712	4	0	..	1	..	..	..
Pittsfield,	20,461	..	..	..	..	..	..	..
North Adams,	19,135	1	0	..	1	..	..	..
Everett,	18,573	..	..	..	..	..	..	..
Northampton,	16,746	..	..	..	..	..	..	..
Chicopee,	16,420	..	..	..	..	..	..	..
Brookline,	16,164	3	0	..	..	..	..	..
Marlborough,	14,977	..	..	..	..	..	..	..
Newburyport,	14,552	..	..	..	..	..	..	..
Medford,	14,474	4	0	..	1	..	..	..
Woburn,	14,178	..	..	..	..	..	..	..
Melrose,	11,965	1	0	..	..	..	..	..
Hyde Park,	11,826	..	..	..	..	..	..	..
Beverly,	11,806	..	..	..	..	..	..	..
Clinton,	11,497	9	1	..	..	..	..	..
Weymouth,	11,291	..	..	..	..	..	..	..
Westfield,	10,663	3	0	..	..	..	..	..
Peabody,	10,507	..	..	..	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under five.	Infectious Diseases.	Consumption.	Diarrhœal Diseases.	Typhoid Fever.	Diphtheria and Croup.
Total of reporting towns,	1,400,508	457	152	72	59	26	13	28

DEATHS FROM PREVALENT DISEASES IN 25 CITIES AND LARGER TOWNS OF MASSACHUSETTS.

Seventy-two deaths were reported from the principal infectious diseases; diphtheria and croup, 28; diarrhœal diseases, 26; typhoid fever, 13; whooping-cough, 2; cerebro-spinal meningitis, erysipelas, 1 each.

No deaths were reported from small-pox, measles, scarlet-fever and malarial fever.

There were 59 deaths from consumption; acute lung diseases, 37; and still-births, 37.

From whooping-cough: Boston and Melrose, 1 each. From cerebro-spinal meningitis: Lynn, 1. From erysipelas: Boston, 1. From puerperal fever: Boston, 1.

Deaths under five years of age numbered 152, as compared with 194 for the preceding week.

Deaths from the principal infectious diseases numbered 72, as compared with 115 for the preceding week.

The death rates for the week were: Boston, 20.09; Worcester, 8.42; Fall River, ——; Lowell, 19.10; Cambridge, 14.06; Lynn, 19.15; New Bedford, 16.93; Somerville, 9.96; Lawrence, 13.94; Springfield, 16.93; Holyoke, ——; Salem, 22.62; Brockton, 10.97; Chelsea, 9.96; Haverhill, 11.90; Malden, 14.00; Gloucester, ——; Newton, 13.19; Taunton, 24.93; Fitchburg, 17.73; Waltham, 17.43; Quincy, 10.00; Pittsfield. ——; North Adams, 2.72; Everett, ——; Northampton, ——; Marlborough, ——; Newburyport, ——; Medford, 14.36; Woburn, ——.

The total death rate for the week was 16.96 as compared with 20.12, and 18.92 for the previous two weeks.

CASES OF INFECTIOUS DISEASES REPORTED TO THE STATE BOARD OF HEALTH DURING THE WEEK ENDING OCTOBER 10, 1896.

(Under the Provisions of Chapter 302 of the Acts of 1893.)

Scarlet-fever, ...	53.	Measles.	53.
Diphtheria and croup, ...	225.	Typhoid fever, ...	131.

(SIGNED) S. W. ABBOTT, M.D., *Secretary of the State Board of Health.*

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROMETER.	THERMOMETER.			RELATIVE HUMIDITY.		DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*		RAIN-FALL.	
Week ending Saturday, Oct. 10, 1896.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A. M.	8 P. M.	MEAN.	8 A. M.	8 P. M.	8 A. M.	8 P. M.	8 A. M.	8 P. M.	HOURS DURATION.	AMOUNT IN INCHES.
Sunday, 4,	30.23	52	55	49	82	88	85	N.	N. E.	6	8	O.	O.		0.14
Monday, 5,	30.16	50	52	47	82	94	88	N. E.	N.	16	11	R.	R.		0.12
Tuesday, 6,	30.09	48	51	45	93	75	84	N.	N.	16	6	R.	O.		0.18
Wednes'y, 7,	29.92	49	54	44	76	83	80	E.	S. W.	2	6	O.	C.		0.01
Thursday, 8,	30.24	48	55	41	64	64	64	W.	W.	16	12	C.	C.		0.00
Friday, 9,	30.46	46	54	39	56	49	52	N. W.	N.	15	6	F.	C.		0.00
Saturday, 10,	30.58	43	49	37	64	62	63	N.	N. E.	9	12	C.	C.		0.00
Week, - -	30.24		53	43			74								0.45

* O., Cloudy; C., Clear; F., Fair; G., Fog; H., Hazy; S., Smoky; R., Rain; T., Threatening; N., Snow.

INSPECTION OF FOOD AND DRUGS.

The following summary presents the results of the examinations of Food and Drugs by the State Board of Health in the month of September: —

ARTICLES EXAMINED.	Number found to be of good quality.	Number adulterated or varying from the legal standard.	TOTAL.	ARTICLES EXAMINED.	Number found to be of good quality.	Number adulterated or varying from the legal standard.	TOTAL.
Milk,	179	201	380	Maple Syrup,	..	..	..
Butter,	16	0	16	Canned Goods,	..	..	..
Cheese,	13	0	13	Honey,	1	0	1
Lard,	..	..	..	Tea,	..	..	..
Olive Oil,	2	0	2	Coffee,	6	2	8
Vinegar,	12	14	26	Cocoa,	..	..	..
Spices,	111	25	136	Confectionery,	9	0	9
Cream of Tartar,	26	3	29	Other articles of Food and Drinks,	3	1	4
Molasses,	37	9	46	Drugs,	16	17	33
Syrups,	..	..	..				
Maple Sugar,	..	..	..	Totals,	441	272	713

Percentage of adulteration, 38.1. The actual ratio of adulteration is very much less than this, since it is only suspicious articles of food to which the attention of the Board is directed. Certain staple products, such as sugar, flour, and the various other cereal products, are very rarely adulterated, and require but little inspection. The work of the Board is therefore mainly devoted to the inspection of such articles as it has found, by several years of experience, to be especially liable to adulteration.

The ratio of samples of milk found to be below the standard was 52.8 per cent., as compared with 19.3 per cent. for the preceding month, the standard for the months of May, June, July and August being 12 per cent.

Twelve complaints were entered in the courts during the month for violation of the laws relative to the inspection of Food and Drugs. Ten of these were for violation of the statutes relative to the sale of Milk, one of Molasses and one of Cream Tartar. Fines were imposed amounting to $564.

The samples of drugs found to be adulterated were Red Wine, Tincture of Opium, White Wine and Whiskey.

Cities and towns from which samples of food were collected were: Boston, Fall River, Cambridge, Somerville, Chelsea, Malden, Gloucester, Newton, Taunton, Waltham, Quincy, North Adams, Everett, Marlborough, Medford, Bedford, Brookfield, Dedham, Framingham, Marblehead, Milton, Needham, Turners Falls, Upton and Winchester.

Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

—OF—

MASSACHUSETTS

FOR THE

Week ending Saturday, Oct. 17, 1896.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XIV. No. 42.

Entered at the post-office at Boston as second-class matter.

This publication contains the returns of deaths made each week to the State Board of Health from cities and towns in Massachusetts having over 10,000 inhabitants in each. Once in each month it also contains the returns of deaths from such other towns as report to the Board.

It also contains the reports of cases of infectious diseases returned by the boards of health of cities and towns.

Once in each month the work done under the Food and Drug Acts is also reported in this bulletin.

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JULIAN A. MEAD, M.D., Watertown.

SAMUEL W. ABBOTT, M.D., *Secretary.*

MORTALITY OF MASSACHUSETTS

For the Week ending October 17, 1896.

Deaths reported to the State Board of Health in 27 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report will in future be published weekly, and will contain the returns from all cities and towns having a population of more than 10,000 inhabitants. A monthly report will also be issued, to contain the returns from all reporting towns for the month.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

The population employed in this summary is that of the State census of 1895.

CITIES AND TOWNS.	Population. 1895.	Reported Deaths in Each.	Deaths under five years.	Deaths from Principal Infectious Diseases.	Consumption.	Diarrhœal Diseases.	Typhoid Fever.	Diphtheria and Croup.
Boston,	496,920	192	65	29	29	4	9	13
Worcester,	98,767	27	17	9	1	1	..	5
Fall River,	89,203	46	26	7	3	5	..	2
Lowell,	84,367	38	20	1	5	..	..	1
Cambridge,	81,643	33	11	9	5	4	2	2
Lynn,	62,354	..	..	..	..	..	..	..
New Bedford,	55,251	14	5	3	2	2	..	..
Somerville,	52,200	15	5	4	1	1	1	1
Lawrence,	52,164	20	9	4	2	1	..	3
Springfield,	51,522	19	5	2	..	..	1	..
Holyoke,	40,322	..	..	..	..	..	..	..
Salem,	34,473	12	7	2	1	1	..	1
Brockton,	33,165	8	0	2	2	..	2	..
Chelsea,	31,264	9	3	..	..	..	..	..
Haverhill,	30,209	19	6	4	2	1	..	2
Malden,	29,709	11	2	..	1	..	..	..
Gloucester,	28,211	..	..	..	..	..	..	..
Newton,	27,590	6	2	1	1	..	..	1
Taunton,	27,115	12	4	..	2	..	..	..
Fitchburg,	26,409	6	4	2	1	..	1	1
Waltham,	20,876	7	2	2	..	..	..	1
Quincy,	20,712	4	2	..	..	..	..	..
Pittsfield,	20,461	5	..	1	..	..	1	..
North Adams,	19,135	5	3	2	..	1	1	..
Everett,	18,573	4	1	..	..	..	..	..
Northampton,	16,746	..	..	..	..	..	..	..
Chicopee,	16,420	..	..	..	..	..	..	..
Brookline,	16,164	..	..	..	..	..	..	..
Marlborough,	14,977	..	..	..	..	..	..	..
Newburyport,	14,552	6	0	..	..	..	..	..
Medford,	14,474	3	2	1	..	..	..	1
Woburn,	14,178	..	..	..	..	..	..	..
Melrose,	11,965	1	0	..	..	..	..	..
Hyde Park,	11,826	1	0	..	..	..	..	..
Beverly,	11,806	..	..	..	..	..	..	..
Clinton,	11,497	3	1	..	..	..	..	..
Weymouth,	11,291	..	..	..	..	..	..	..
Westfield,	10,663	..	..	..	..	..	..	..
Peabody,	10,507	..	..	..	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under five.	Infectious Diseases.	Consumption.	Diarrhœal Diseases.	Typhoid Fever.	Diphtheria and Croup.
Total of reporting towns,	1,466,042	526	202	85	58	21	18	34

DEATHS FROM PREVALENT DISEASES IN 27 CITIES AND LARGER TOWNS OF MASSACHUSETTS.

Eighty-five deaths were reported from the principal infectious diseases; diphtheria and croup, 34; diarrhœal diseases, 21; typhoid fever, 18; cerebro-spinal meningitis, 4; whooping-cough, 3; measles, scarlet-fever and puerperal fever, each 1.

No deaths were reported from small-pox, malarial fever and erysipelas.

There were 65 deaths from acute lung diseases; consumption, 58; and still-births, 33.

From whooping-cough: Boston, Cambridge and Springfield, 1 each. From cerebro-spinal meningitis: Worcester, 3; New Bedford, 1. From measles: Somerville, 1. From scarlet fever: Boston, 1. From puerperal fever: Boston, 1.

Deaths under five years of age numbered 202, as compared with 152 for the preceding week.

Deaths from the principal infectious diseases numbered 85, as compared with 72 for the preceding week.

The death rates for the week were: Boston, 20.09; Worcester, 14.21; Fall River, 26.81; Lowell, 23.41; Cambridge, 20.33; Lynn, ——; New Bedford, 13.17; Somerville, 14.94; Lawrence, 19.92; Springfield, 19.17; Holyoke, ——; Salem, 18.09; Brockton, 12.54; Chelsea, 14.94; Haverhill, 32.31; Malden, 19.25; Gloucester, ——; Newton, 11.31; Taunton, 23.01; Fitchburg, 11.82; Waltham, 17.43; Quincy, 10.00; Pittsfield. 12.70; North Adams, 13.60; Everett, 11.20; Northampton, ——; Chicopee, ——; Marlborough, ——; Newburyport, 21.42; Medford, 10.77; Woburn, ——.

The total death rate for the week was 18.66 as compared with 10.96 and 20.12 for the previous two weeks.

CASES OF INFECTIOUS DISEASES REPORTED TO THE STATE BOARD OF HEALTH DURING THE WEEK ENDING OCTOBER 17, 1896.

(Under the Provisions of Chapter 302 of the Acts of 1893.)

Scarlet-fever, ...	68.	Measles.	58.
Diphtheria and croup, ...	212.	Typhoid fever, ...	123.

(SIGNED) S. W. ABBOTT, M.D., *Secretary of the State Board of Health.*

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.			STATE OF WEATHER.*		RAIN-FALL.	
Week ending Saturday, Oct. 17, 1896.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A. M.	8 P. M.	MEAN.	8 A. M.	8 P. M.	8 A. M.	8 P. M.		8 A. M.	8 P. M.	HOURS DURATION.	AMOUNT IN INCHES.
Sunday, 11,	30.40	48	52	44	74	80	77	N.	N. E.	12	24		O.	O.		0.00
Monday, 12,	30.12	48	51	46	79	59	69	N. E.	N. E.	36	32		O.	O.		0.00
Tuesday, 13,	29.82	46	50	43	96	100	98	N.	N.	24	14		R.	R.		1.03
Wednes'y, 14,	29.69	50	53	46	86	93	89	N.	N.	9	8		O.	C.		0.02
Thursday, 15,	29.63	48	52	44	93	90	92	N.	N. E.	7	4		O.	C.		0.44
Friday, 16,	29.66	56	67	44	79	62	70	W.	W.	10	12		C.	C.		0.00
Saturday, 17,	29.96	48	53	42	64	69	66	S. W.	N. E.	8	10		O.	C.		0.00
Week, - -	29.89		54	44			80									1.49

* O., Cloudy; C., Clear; F., Fair; G., Fog; H., Hazy; S., Smoky; R., Rain; T., Threatening; N., Snow.

Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

—OF—

MASSACHUSETTS

FOR THE

Week ending Saturday, Oct. 24, 1896.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XIV. No. 43.

Entered at the post-office at Boston as second-class matter.

This publication contains the returns of deaths made each week to the State Board of Health from cities and towns in Massachusetts having over 10,000 inhabitants in each. Once in each month it also contains the returns of deaths from such other towns as report to the Board.

It also contains the reports of cases of infectious diseases returned by the boards of health of cities and towns.

Once in each month the work done under the Food and Drug Acts is also reported in this bulletin.

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SAMUEL W. ABBOTT, M.D., *Secretary.*

MORTALITY OF MASSACHUSETTS

For the Week ending October 24, 1896.

Deaths reported to the State Board of Health in 25 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report will in future be published weekly, and will contain the returns from all cities and towns having a population of more than 10,000 inhabitants. A monthly report will also be issued, to contain the returns from all reporting towns for the month.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

The population employed in this summary is that of the State census of 1895.

CITIES AND TOWNS.	Population. 1895.	Reported Deaths in Each.	Deaths under five years.	Deaths from				
				Principal Infectious Diseases.	Consumption.	Diarrhœal Diseases.	Typhoid Fever.	Diphtheria and Croup.
Boston,	496,920	207	62	23	30	1	8	10
Worcester,	98,767	25	8	4	3	..	1	2
Fall River,	89,203	35	13	8	2	3	2	1
Lowell,	84,367	30	10	3	5	3	..	..
Cambridge,	81,643	19	6	3	6	2	..	1
Lynn,	62,354	11	3	1	1	..	..	1
New Bedford,	55,251	19	9	5	..	3	..	2
Somerville,	52,200	12	2	..	1	..	..	..
Lawrence,	52,164	15	7	4	..	..	..	3
Springfield,	51,522	15	5	3	..	1	..	2
Holyoke,	40,322	..	..	..	..	..	..	..
Salem,	34,473	9	0	2	1	..	1	1
Brockton,	33,165	..	..	..	..	..	..	..
Chelsea,	31,264	..	..	..	..	..	..	..
Haverhill,	30,209	9	4	1	..	..	1	..
Malden,	29,709	3	1	1	..	..	1	..
Gloucester,	28,211	..	..	..	..	..	..	..
Newton,	27,590	11	4	5	..	1	..	4
Taunton,	27,115	8	6	..	..	..	..	..
Fitchburg,	26,409	3	0	..	..	..	..	..
Waltham,	20,876	3	1	..	..	..	..	..
Quincy,	20,712	..	..	..	..	..	..	..
Pittsfield,	20,461	8	1	1	3	..	1	..
North Adams,	19,135	4	0	1	..	..	1	..
Everett,	18,573	2	1	..	..	..	..	..
Northampton,	16,746	..	..	..	..	..	..	..
Chicopee,	16,420	..	..	..	..	..	..	..
Brookline,	16,164	4	0	..	2	..	..	..
Marlborough,	14,977	..	..	..	..	..	..	..
Newburyport,	14,552	6	0	1	..	..	1	..
Medford,	14,474	2	1	..	1	..	..	..
Woburn,	14,178	..	..	..	..	..	..	..
Melrose,	11,965	..	..	..	..	..	..	..
Hyde Park,	11,826	..	..	..	..	..	..	..
Beverly,	11,806	..	..	..	..	..	..	..
Clinton,	11,497	2	1	..	..	..	..	..
Weymouth,	11,291	..	..	..	..	..	..	..
Westfield,	10,663	3	1	1	1	..	..	..
Peabody,	10,507	..	..	..	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under five.	Infectious Diseases.	Consumption.	Diarrhœal Diseases.	Typhoid Fever.	Diphtheria and Croup.
Total of reporting towns,	1,446,391	465	146	67	56	14	17	27

DEATHS FROM PREVALENT DISEASES IN 25 CITIES AND LARGER TOWNS OF MASSACHUSETTS.

Sixty-seven deaths were reported from the principal infectious diseases; diphtheria and croup, 27; typhoid fever, 17; diarrhœal diseases, 14; scarlet-fever, 3; cerebro-spinal meningitis, 2; measles, whooping-cough, erysipelas and puerperal fever, 1 each.

No deaths were reported from small-pox and malarial fever.

There were 56 deaths from consumption; acute lung diseases, 43; and still-births, 37.

From scarlet fever: Boston, 2; Fall River, 1. From cerebro-spinal meningitis: Worcester and Westfield, 1 each. From measles: Boston, 1. From whooping-cough: Lawrence, 1. From erysipelas: Boston, 1.

Deaths under five years of age numbered 146, as compared with 202 for the preceding week.

Deaths from the principal infectious diseases numbered 67, as compared with 85 for the preceding week.

The death rates for the week were: Boston, 21.65; Worcester, 13.16; Fall River, 20.40; Lowell, 18.49; Cambridge, 12.10; Lynn, 9.16; New Bedford, 17.83; Somerville, 11.95; Lawrence, 14.94; Springfield, 15.13; Holyoke, ——; Salem, 13.57; Brockton, ——; Chelsea, ——; Haverhill, 15.30; Malden, 5.25; Gloucester, ——; Newton, 20.73; Taunton, 15.34; Fitchburg, 5.91; Waltham, 7.47; Quincy, ——; Pittsfield. 20.32; North Adams, 10.88; Everett, 5.60; Northampton, ——; Chicopee, ——; Marlborough, ——; Newburyport, 21.42; Medford, 7.18; Woburn, ——.

The total death rate for the week was 16.71 as compared with 18.66 and 16.96 for the previous two weeks.

CASES OF INFECTIOUS DISEASES REPORTED TO THE STATE BOARD OF HEALTH DURING THE WEEK ENDING OCTOBER 24, 1896.

(Under the Provisions of Chapter 302 of the Acts of 1893.)

Scarlet-fever, ...	84.	Measles.	121.
Diphtheria and croup, ...	196.	Typhoid fever, ...	108.

(SIGNED) S. W. ABBOTT, M.D., *Secretary of the State Board of Health.*

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*		RAIN-FALL.	
Week ending Saturday, Oct. 24, 1896.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A. M.	8 P. M.	MEAN.	8 A. M.	8 P. M.	8 A. M.	8 P. M.	8 A. M.	8 P. M.	HOURS DURATION.	AMOUNT IN INCHES.
Sunday, 18,	29.85	48	50	45	83	97	90	N.	N. W.	9	10	O.	R.		0.10
Monday, 19,	30.03	44	51	38	72	52	62	W.	W.	14	9	C.	C.		0.01
Tuesday, 20,	30.17	46	57	35	48	69	58	S. E.	S.	9	8	C.	O.		0.00
Wednes'y, 21,	29.92	54	63	45	74	83	78	S. E.	S. W.	20	10	C.	C.		0.03
Thursday, 22,	30.04	46	53	38	65	57	61	W.	N. W.	16	8	O.	C.		0.00
Friday, 23,	29.92	47	57	37	52	91	72	S. E.	S.	10	10	F.	R.		0.04
Saturday, 24,	29.60	50	60	40	100	91	96	W.	N. W.	6	8	R.	C.		0.95
Week, - -	29.93		56	40			74								1.13

* O., Cloudy; C., Clear; F., Fair; G., Fog; H., Hazy; S., Smoky; R., Rain; T., Threatening; N., Snow.

Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

—OF—

MASSACHUSETTS

FOR THE

Week ending Saturday, Oct. 31, 1896.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XIV. No. 44.

Entered at the post-office at Boston as second-class matter.

This publication contains the returns of deaths made each week to the State Board of Health from cities and towns in Massachusetts having over 10,000 inhabitants in each. Once in each month it also contains the returns of deaths from such other towns as report to the Board.

It also contains the reports of cases of infectious diseases returned by the boards of health of cities and towns.

Once in each month the work done under the Food and Drug Acts is also reported in this bulletin.

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MORTALITY OF MASSACHUSETTS

For the Week ending October 31, 1896.

Deaths reported to the State Board of Health in 27 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report will in future be published weekly, and will contain the returns from all cities and towns having a population of more than 10,000 inhabitants. A monthly report will also be issued, to contain the returns from all reporting towns for the month.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

The population employed in this summary is that of the State census of 1895.

CITIES AND TOWNS.	POPULATION. 1895.	Reported Deaths in Each.	Deaths under five years.	DEATHS FROM				
				Principal Infectious Diseases.	Acute Lung Diseases.	Diarrhœal Diseases.	Typhoid Fever.	Diphtheria and Croup.
Boston,	496,920	188	62	32	29	2	9	17
Worcester,	98,767	33	10	6	2	1	1	3
Fall River,	89,203	29	17	4	3	1	..	..
Lowell,	84,367	39	16	7	4	2	1	3
Cambridge,	81,643	24	6	3	3	..	2	..
Lynn,	62,354	17	1	2	2	..	1	1
New Bedford,	55,251	12	5	4	..	3	1	..
Somerville,	52,200	25	5	4	6	..	1	1
Lawrence,	52,164	18	7	..	4	..	..	..
Springfield,	51,522	15	5	2	1	2	..	..
Holyoke,	40,322	..	..	..	..	..	..	..
Salem,	34,473	12	4	3	1	..	..	2
Brockton,	33,165	3	0	2	..	..	1	1
Chelsea,	31,264	11	3	..	2	..	..	..
Haverhill,	30,209	10	3	2	2	..	..	2
Malden,	29,709	5	0	..	1	..	..	..
Gloucester,	28,211	..	..	..	..	..	..	..
Newton,	27,590	4	1	..	..	..	..	..
Taunton,	27,115	8	2	..	..	..	..	..
Fitchburg,	26,409	7	1	..	1	..	..	..
Waltham,	20,876	6	0	..	..	..	..	..
Quincy,	20,712	3	1	..	..	..	..	..
Pittsfield,	20,461	4	0	..	..	..	..	..
North Adams,	19,135	7	2	..	..	..	..	..
Everett,	18,573	..	..	..	..	..	..	..
Northampton,	16,746	..	..	..	..	..	..	..
Chicopee,	16,420	..	..	..	..	..	..	..
Brookline,	16,164	..	..	..	..	..	..	..
Marlborough,	14,977	..	..	..	..	..	..	..
Newburyport,	14,552	3	0	..	..	..	..	..
Medford,	14,474	1	1	..	..	..	..	..
Woburn,	14,178	3	2	..	..	..	..	..
Melrose,	11,965	..	..	..	..	..	..	..
Hyde Park,	11,826	..	..	..	..	..	..	..
Beverly,	11,806	..	..	..	..	..	..	..
Clinton,	11,497	2	1	..	..	..	..	..
Weymouth,	11,291	..	..	..	..	..	..	..
Westfield,	10,663	3	1	..	1	..	..	..
Peabody,	10,507	..	..	..	..	..	..	..

RECAPITULATION.

	POPULATION.	Deaths.	Deaths under five.	Infectious Diseases.	Acute Lung Diseases.	Diarrhœal Diseases.	Typhoid Fever.	Diphtheria and Croup.
Total of reporting towns,	1,510,873	492	156	71	62	11	17	30

DEATHS FROM PREVALENT DISEASES IN 27 CITIES AND LARGER TOWNS OF MASSACHUSETTS.

Seventy-one deaths were reported from the principal infectious diseases; diphtheria and croup, 30; typhoid fever, 17; diarrhœal diseases, 11; measles. 4; scarlet-fever, 4; whooping-cough, 3; cerebro-spinal meningitis, 2.

No deaths were reported from small-pox, puerperal fever, erysipelas and malarial fever.

There were 62 deaths from acute lung diseases; consumption, 53; and still-births, 25.

From measles: Boston, Fall River, Somerville and Salem, 1 each. From scarlet fever: Boston, 2; Fall River and Somerville, 1 each. From whooping-cough: Boston, Fall River and Cambridge, 1 each. From cerebro-spinal meningitis: Worcester and Lowell, 1 each.

Deaths under five years of age numbered 156, as compared with 146 for the preceding week.

Deaths from the principal infectious diseases numbered 71, as compared with 67 for the preceding week.

The death rates for the week were: Boston, 19.67; Worcester, 17.37; Fall River, 16.89; Lowell, 23.93; Cambridge, 15.34; Lynn, 14.16; New Bedford, 11.29; Somerville, 24 95; Lawrence, 17.92; Springfield, 15.13; Holyoke, ——; Salem, 18.09; Brockton, 18.02; Chelsea, 18.27; Haverhill, 17.01; Malden, 8.75; Gloucester, ——; Newton, 7 51; Taunton, 15.34; Fitchburg, 13.79; Waltham, 14.94; Quincy, 7.50; Pittsfield. 10.16; North Adams, 19.04; Everett, ——; Northampton, ——; Chicopee, ——; Marlborough, ——; Newburyport, 10.71; Medford, 3.59; Woburn, 10 98.

The total death rate for the week was 16.93 as compared with 16.71 and 18.66 for the previous two weeks.

CASES OF INFECTIOUS DISEASES REPORTED TO THE STATE BOARD OF HEALTH DURING THE WEEK ENDING OCTOBER 31, 1896.

(Under the Provisions of Chapter 302 of the Acts of 1893.)

Scarlet-fever, ...	69.	Measles.	89.
Diphtheria and croup, ...	222.	Typhoid fever, ...	127.

(SIGNED) S. W. ABBOTT, M.D., *Secretary of the State Board of Health.*

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.			STATE OF WEATHER.*			RAIN-FALL	
Week ending Saturday, Oct. 31, 1896.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A. M.	8 P. M.	MEAN.	8 A. M.	8 P. M.	8 A. M.	8 P. M.		8 A. M.	8 P. M.		HOURS DURATION.	AMOUNT IN INCHES.
Sunday, 25,	30.04	42	49	36	49	54	52	N. W.	W.	17	9		C.	C.			0.00
Monday, 26,	30.17	44	56	33	47	68	58	S. W.	S. W.	5	12		F.	C.			0.00
Tuesday, 27,	30.22	54	66	43	69	40	50	W.	N. W.	11	5		C.	C.			0.00
Wednes'y, 28,	30.47	48	52	44	77	72	74	N.	S. E.	5	8		F.	C.			0.00
Thursday, 29,	30.23	52	61	43	78	80	79	S.	S. W.	8	4		O.	O.			0.04
Friday, 30,	30.03	64	73	55	87	84	86	S. W.	S. W.	4	12		F.	O.			0.00
Saturday, 31,	29.84	68	76	60	86	56	71	S. W.	W.	13	6		F.	C.			0.01
Week, - -	30.14		62	46			67										0.05

* O., Cloudy; C., Clear; F., Fair; G., Fog; H., Hazy; S., Smoky; R., Rain; T., Threatening; N., Snow.

Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

—OF—

MASSACHUSETTS

FOR THE

Week ending Saturday, Nov. 7, 1896.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XIV. No. 45.

Entered at the post-office at Boston as second-class matter.

This publication contains the returns of deaths made each week to the State Board of Health from cities and towns in Massachusetts having over 10,000 inhabitants in each. Once in each month it also contains the returns of deaths from such other towns as report to the Board.

It also contains the reports of cases of infectious diseases returned by the boards of health of cities and towns.

Once in each month the work done under the Food and Drug Acts is also reported in this bulletin.

STATE BOARD OF HEALTH.

HENRY P. WALCOTT, M.D., Cambridge, *Chairman.*
GERARD C. TOBEY, Esq., Wareham.
FRANK W. DRAPER, M.D., Boston.
HIRAM F. MILLS, C.E., Lawrence.
JAMES W. HULL, Pittsfield.
CHARLES H. PORTER, Quincy.
JULIAN A. MEAD, M.D., Watertown.

SAMUEL W. ABBOTT, M.D., *Secretary.*

MORTALITY OF MASSACHUSETTS

For the Week ending November 7, 1896.

Deaths reported to the State Board of Health in 26 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report will in future be published weekly, and will contain the returns from all cities and towns having a population of more than 10,000 inhabitants. A monthly report will also be issued, to contain the returns from all reporting towns for the month.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

The population employed in this summary is that of the State census of 1895.

CITIES AND TOWNS.	POPULATION. 1895.	Reported Deaths in Each.	Deaths under five years.	DEATHS FROM Principal Infectious Diseases.	Acute Lung Diseases.	Diarrhœal Diseases.	Typhoid Fever.	Diphtheria and Croup.
Boston,	496,920	227	80	38	20	2	6	24
Worcester,	98,767	32	16	5	4	3	..	1
Fall River,	89,203	24	5	3	5	2	..	1
Lowell,	84,367	..	..	..	..	..	..	..
Cambridge,	81,643	26	6	3	2	1	1	1
Lynn,	62,354	14	3	4	..	..	..	1
New Bedford,	55,251	11	5	1	1	..	..	1
Somerville,	52,200	17	7	6	4	..	1	5
Lawrence,	52,164	15	7	1	1	..	..	1
Springfield,	51,522	10	3	1	2	..	..	..
Holyoke,	40,322	..	..	..	..	..	..	..
Salem,	34,473	15	4	1	1	..	..	..
Brockton,	33,165	8	1	1	1	1	..	..
Chelsea,	31,264	12	4	1	1	..	1	..
Haverhill,	30,209	7	2	..	5	..	..	..
Malden,	29,709	11	1	1	2	..	..	1
Gloucester,	28,211	..	..	..	..	..	..	..
Newton,	27,590	5	2	1	..	..	..	1
Taunton,	27,115	8	0	..	1	..	..	..
Fitchburg,	26,409	5	3	2	..	..	..	1
Waltham,	20,876	8	3	1	1	..	..	1
Quincy,	20,712	..	..	..	..	..	..	..
Pittsfield,	20,461	4	1	..	2	..	..	..
North Adams,	19,135	5	1	3	..	1	1	1
Everett,	18,573	..	..	..	..	..	..	..
Northampton,	16,746	..	..	..	..	..	..	..
Chicopee,	16,420	..	..	..	..	..	..	..
Brookline,	16,164	4	1	..	2	..	..	..
Marlborough,	14,977	..	..	..	..	..	..	..
Newburyport,	14,552	6	0	..	..	..	..	..
Medford,	14,474	4	0	..	..	..	..	..
Woburn,	14,178	..	..	..	..	..	..	..
Melrose,	11,965	4	0	2	..	..	2	..
Hyde Park,	11,826	..	..	..	..	..	..	..
Beverly,	11,806	..	..	..	..	..	..	..
Clinton,	11,497	1	1	1	..	..	..	..
Weymouth,	11,291	..	..	..	..	..	..	..
Westfield,	10,663	2	0	1	..	..	1	..
Peabody,	10,507	..	..	..	..	..	..	..

RECAPITULATION.

	POPULATION.	Deaths.	Deaths under five.	Infectious Diseases.	Acute Lung Diseases.	Diarrhœal Diseases.	Typhoid Fever.	Diphtheria and Croup.
Total of reporting towns,	1,419,745	485	156	75	55	10	13	40

DEATHS FROM PREVALENT DISEASES IN 26 CITIES AND LARGER TOWNS OF MASSACHUSETTS.

Seventy-five deaths were reported from the principal infectious diseases; diphtheria and croup, 40; typhoid fever, 13; diarrhœal diseases, 10; cerebro-spinal meningitis, 3; whooping-cough and scarlet-fever, 2 each; erysipelas and measles, 1 each.

No deaths were reported from small-pox, malarial fever and puerperal fever.

There were 55 deaths from acute lung diseases: consumption, 58; and still-births, 32.

From cerebro-spinal meningitis: Boston, Worcester and Lynn, 1 each. From scarlet fever: Fitchburg and Clinton, 1 each. From whooping-cough: Boston, 2. From measles: Lynn, 1. From erysipelas: Springfield, 1.

Deaths under five years of age numbered 156, as compared with 156 for the preceding week.

Deaths from the principal infectious diseases numbered 75, as compared with 71 for the preceding week.

The death rates for the week were: Boston, 23.75; Worcester, 16.84; Fall River, 13.99; Lowell, ——; Cambridge, 16.62; Lynn, 11.66; New Bedford, 10.35; Somerville, 16.93; Lawrence, 14.94; Springfield, 10.09; Holyoke, ——; Salem, 22.62; Brockton, 12.54; Chelsea, 19.93; Haverhill, 11.90; Malden, 19.25; Gloucester, ——; Newton, 9.42; Taunton, 15.34; Fitchburg, 9.85; Waltham, 19.92; Quincy, ——; Pittsfield, 10.16; North Adams, 13.60; Everett, ——; Northampton, ——; Chicopee, ——; Marlborough, ——; Newburyport, 21.42; Medford, 14.36; Woburn, ——.

The total death rate for the week was 17.83 as compared with 16.93 and 16.71 for the previous two weeks.

CASES OF INFECTIOUS DISEASES REPORTED TO THE STATE BOARD OF HEALTH DURING THE WEEK ENDING NOVEMBER 7, 1896.

(Under the Provisions of Chapter 302 of the Acts of 1893.)

Scarlet-fever, ...	101.	Measles.	120.
Diphtheria and croup, ...	227.	Typhoid fever, ...	112.

(SIGNED) S. W. ABBOTT, M.D., *Secretary of the State Board of Health.*

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.		DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*		RAIN-FALL.	
Week ending Saturday, Nov. 7, 1896.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A. M.	8 P. M.	MEAN.	8 A. M.	8 P. M.	8 A. M.	8 P. M.	8 A. M.	8 P. M.	HOURS DURATION.	AMOUNT IN INCHES.
Sunday, 1,	30.01	52	59	46	96	88	92	N. W.	S. W.	7	5	G.	C.		0.00
Monday, 2,	30.16	56	66	47	74	59	66	S. W.	N.	14	10	C.	C.		0.00
Tuesday, 3,	30.39	46	51	42	70	80	75	N. W.	S. E.	11	7	C.	C.		0.00
Wednes'y, 4,	30.38	48	53	44	84	79	82	S.	S. E.	3	14	O.	O.		0.00
Thursday, 5,	29.85	55	66	49	90	92	91	S. E.	S.	18	24	R.	R.		1.00
Friday, 6,	29.78	55	65	45	83	65	74	W.	S. W.	14	18	C.	C.		0.04
Saturday, 7,	29.96	51	61	41	79	62	68	S. W.	S. W.	11	12	C.	C.		0.00
Week, - -	30.06		61	45			78								1.04

* O., Cloudy; C., Clear; F., Fair; G., Fog; H., Hazy; S., Smoky; R., Rain; T., Threatening; N., Snow.

MONTHLY MORTALITY

In 5 smaller towns of Massachusetts, as reported to the State Board of Health for the month of October.

The total death rate of reporting towns was 13.4.

TOWNS.	Population, 1895.	Reported Deaths in Each.	Deaths under five years of age.	Deaths from				
				Infectious Diseases.	Acute Lung Diseases.	Consumption.	Typhoid Fever.	Diarrhœal Diseases.
Amesbury,	9,986	7	3	1	..	1	..	1
Revere,	7,423	18	6	..	1	1	..	..
Orange,	5,361	5	2	..	..	1	..	..
Hudson,	5,308	3	0	2	..	..	2	..
Merrimac,	2,301	1	1	..	1	..	..	..
Total of reporting towns,	30,379	34	12	3	2	3	2	1

Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

— OF —

MASSACHUSETTS

FOR THE

Week ending Saturday, Nov. 14, 1896.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XIV. No. 46.

Entered at the post-office at Boston as second-class matter.

This publication contains the returns of deaths made each week to the State Board of Health from cities and towns in Massachusetts having over 10,000 inhabitants in each. Once in each month it also contains the returns of deaths from such other towns as report to the Board.

It also contains the reports of cases of infectious diseases returned by the boards of health of cities and towns.

Once in each month the work done under the Food and Drug Acts is also reported in this bulletin.

STATE BOARD OF HEALTH.

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SAMUEL W. ABBOTT, M.D., *Secretary.*

MORTALITY OF MASSACHUSETTS

For the Week ending November 14, 1896.

Deaths reported to the State Board of Health in 27 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report will in future be published weekly, and will contain the returns from all cities and towns having a population of more than 10,000 inhabitants. A monthly report will also be issued, to contain the returns from all reporting towns for the month.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

The population employed in this summary is that of the State census of 1895.

CITIES AND TOWNS.	POPULATION. 1895.	Reported Deaths in Each.	Deaths under five years.	DEATHS FROM				
				Principal Infectious Diseases.	Acute Lung Diseases.	Diarrhœal Diseases.	Typhoid Fever.	Diphtheria and Croup.
Boston,	496,920	190	55	26	26	3	4	14
Worcester,	98,767	18	4	4	..	..	..	2
Fall River,	89,203	40	20	6	7	3	..	1
Lowell,	84,367	..	..	..	..	..	..	..
Cambridge,	81,643	24	10	3	8	1	1	2
Lynn,	62,354	17	5	3	2	..	..	1
New Bedford,	55,251	16	6	4	..	1	1	2
Somerville,	52,200	9	3	3	..	..	1	1
Lawrence,	52,164	16	9	3	3	1	..	1
Springfield,	51,522	20	5	3	2	..	2	1
Holyoke,	40,322	..	..	..	..	..	..	..
Salem,	34,473	14	5	3	..	..	..	2
Brockton,	33,165	8	1	2	2	..	..	..
Chelsea,	31,264	12	1	..	..	..	..	..
Haverhill,	30,209	15	5	1	..	..	..	1
Malden,	29,709	6	5	1	1	..	..	..
Gloucester,	28,211	..	..	..	..	..	..	..
Newton,	27,590	9	7	1	1	..	..	1
Taunton,	27,115	5	0	1	..	..	1	..
Fitchburg,	26,409	10	3	3	..	..	1	2
Waltham,	20,876	2	0	..	1	..	..	..
Quincy,	20,712	..	..	..	..	..	..	..
Pittsfield,	20,461	1	1	..	1	..	..	..
North Adams,	19,135	5	3	3	..	..	..	..
Everett,	18,573	7	2	2	..	1	1	..
Northampton,	16,746	..	..	..	..	..	..	..
Chicopee,	16,420	..	..	..	..	..	..	..
Brookline,	16,164	..	..	..	..	..	..	..
Marlborough,	14,977	..	..	..	..	..	..	..
Newburyport,	14,552	3	0	..	..	..	..	..
Medford,	14,474	7	0	..	1	..	..	..
Woburn,	14,178	..	..	..	..	..	..	..
Melrose,	11,965	5	1	..	..	..	..	..
Hyde Park,	11,826	3	0	..	1	..	..	..
Beverly,	11,806	..	..	..	..	..	..	..
Clinton,	11,497	1	0	..	..	..	..	..
Weymouth,	11,291	..	..	..	..	..	..	..
Westfield,	10,663	..	..	..	..	..	..	..
Peabody,	10,507	..	..	..	..	..	..	..

RECAPITULATION.

	POPULATION.	Deaths.	Deaths under five.	Infectious Diseases.	Acute Lung Diseases.	Diarrhœal Diseases.	Typhoid Fever.	Diphtheria and Croup.
Total of reporting towns,	1,423,317	463	151	78	63	13	15	32

DEATHS FROM PREVALENT DISEASES IN 26 CITIES AND LARGER TOWNS OF MASSACHUSETTS.

Seventy-eight deaths were reported from the principal infectious diseases; diphtheria and croup, 32; typhoid fever, 15; diarrhœal diseases, 13; cerebro-spinal meningitis, 7; measles, 4; scarlet-fever, 3; whooping-cough, 2; erysipelas, 2.

No deaths were reported from small-pox, puerperal fever and malarial fever.

There were 63 deaths from acute lung diseases; consumption, 43; and still-births, 27.

From cerebro-spinal meningitis: Boston, Worcester and North Adams, 2 each; Melrose, 1. From measles: Lynn, 2; Somerville and Lawrence, 1 each. From scarlet fever: Boston, 2; Fall River, 1. From whooping-cough: Boston and Fall River, 1 each. From erysipelas: Salem and North Adams, 1 each.

Deaths under five years of age numbered 151, as compared with 156 for the preceding week.

Deaths from the principal infectious diseases numbered 78, as compared with 75 for the preceding week.

The death rates for the week were: Boston, 19.80; Worcester, 9.37; Fall River, 23.32; Lowell, ——; Cambridge, 15.34; Lynn, 14.16; New Bedford, 15.05; Somerville, 8.96; Lawrence, 15.93; Springfield, 20.18; Holyoke, ——; Salem, 21.11; Brockton, 12.54; Chelsea, 19.93; Haverhill, 25.51; Malden, 10.50; Gloucester, ——; Newton, 16.96; Taunton, 9.59; Fitchburg, 19.70; Waltham, 4.98; Quincy, ——; Pittsfield, 2.54; North Adams, 13.60; Everett, 19.60; Northampton, ——; Marlborough, ——; Newburyport, 10.71; Medford, 25.13; Woburn, ——.

The total death rate for the week was 16.91 as compared with 17.83 and 16.93 for the previous two weeks.

CASES OF INFECTIOUS DISEASES REPORTED TO THE STATE BOARD OF HEALTH DURING THE WEEK ENDING NOVEMBER 14, 1896.

(Under the Provisions of Chapter 302 of the Acts of 1893.)

Scarlet-fever, ...	100.	Measles.	151.
Diphtheria and croup, ...	216.	Typhoid fever, ...	109.

(SIGNED) S. W. ABBOTT, M.D., *Secretary of the State Board of Health.*

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROMETER.	THERMOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.			STATE OF WEATHER.*			RAIN-FALL.	
Week ending Saturday, Nov. 14, 1896.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A. M.	8 P. M.	MEAN.	8 A. M.	8 P. M.	8 A. M.	8 P. M.		8 A. M.	8 P. M.		HOURS DURATION.	AMOUNT IN INCHES.
Sunday, 8,	29.84	54	60	48	87	90	88	S.	N. W.	7	8		O.	O.			0.73
Monday, 9,	29.78	44	50	38	75	59	67	N. W.	W.	12	9		O.	C.			0.00
Tuesday, 10,	30.38	44	52	37	62	61	62	W.	S. W.	7	11		C.	C.			0.00
Wednes'y, 11,	30.08	52	62	41	71	86	78	S. E.	S. W.	11	13		O.	O.			0.03
Thursday, 12,	30.04	50	55	45	67	67	67	W.	W.	10	8		O.	C.			0.00
Friday, 13,	29.89	40	47	33	74	100	87	N. W.	N. W.	9	9		F.	N.			0.13
Saturday, 14,	30.14	32	36	28	67	58	62	N. W.	N. W.	12	8		O.	C.			0.27
Week, - -	30.02		52	39			73										1.16

* O., Cloudy; C., Clear; F., Fair; G., Fog; H., Hazy; S., Smoky; R., Rain; T., Threatening; N., Snow.

INSPECTION OF FOOD AND DRUGS.

The following summary presents the results of the examinations of Food and Drugs by the State Board of Health in the month of October: —

ARTICLES EXAMINED.	Number found to be of good quality.	Number adulterated or varying from the legal standard.	TOTAL.	ARTICLES EXAMINED.	Number found to be of good quality.	Number adulterated or varying from the legal standard.	TOTAL.
Milk,	334	270	604	Maple Syrup,	1	0	1
Butter,	32	0	32	Canned Goods,	..	..	..
Cheese,	8	0	8	Honey,	3	0	3
Lard,	1	0	1	Tea,	14	0	14
Olive Oil,	3	1	4	Coffee,	7	4	11
Vinegar,	13	11	24	Cocoa,	1	0	1
Spices,	133	17	150	Confectionery,	7	0	7
Cream of Tartar,	37	0	37	Other articles of Food and Drinks,	24	15	39
Molasses,	21	2	23	Drugs,	46	13	59
Syrups,	..	..	..				
Maple Sugar,	1	0	1				
				Totals,	686	333	1019

Percentage of adulteration, 32.7. The actual ratio of adulteration is very much less than this, since it is only suspicious articles of food to which the attention of the Board is directed. Certain staple products, such as sugar, flour, and the various other cereal products, are very rarely adulterated, and require but little inspection. The work of the Board is therefore mainly devoted to the inspection of such articles as it has found, by several years of experience, to be especially liable to adulteration.

The ratio of samples of milk found to be below the standard was 44.7 per cent., as compared with 52.8 per cent. for the preceding month.

Fourteen complaints were entered in the courts during the month for violation of the laws relative to the inspection of Food and Drugs. Thirteen of these were for violation of the statutes relative to the sale of Milk and one of Molasses. Fines were imposed amounting to $564.70.

The samples of drugs found to be adulterated were Chloroform, Compound Spirits of Ether, Ether, Lemon Juice, Red Wine, Stronger Ammonia Water, Syrup and Whiskey.

Cities and towns from which samples of food were collected were: Boston, Fall River, Cambridge, Somerville, Lawrence, Salem, Chelsea, Haverhill, Malden, Gloucester, Newton, Waltham, Quincy, Everett, Medford, Andover, Brookline, Billerica, Dedham, Dracut, Freetown, Hudson, Hyde Park, Needham, Stoneham, Stoughton, Randolph, Revere, Tyngsborough, Walpole, Watertown, Wellesley, Westford and Winthrop.

Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

—OF—

MASSACHUSETTS

FOR THE

Week ending Saturday, Nov. 21, 1896.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XIV. No. 47.

Entered at the post-office at Boston as second-class matter.

This publication contains the returns of deaths made each week to the State Board of Health from cities and towns in Massachusetts having over 10,000 inhabitants in each. Once in each month it also contains the returns of deaths from such other towns as report to the Board.

It also contains the reports of cases of infectious diseases returned by the boards of health of cities and towns.

Once in each month the work done under the Food and Drug Acts is also reported in this bulletin.

STATE BOARD OF HEALTH.

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SAMUEL W. ABBOTT, M.D., *Secretary.*

MORTALITY OF MASSACHUSETTS

For the Week ending November 21, 1896.

Deaths reported to the State Board of Health in 27 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report will in future be published weekly, and will contain the returns from all cities and towns having a population of more than 10,000 inhabitants. A monthly report will also be issued, to contain the returns from all reporting towns for the month.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

The population employed in this summary is that of the State census of 1895.

CITIES AND TOWNS.	Population. 1895.	Reported Deaths in Each.	Deaths under five years.	Deaths from				
				Principal Infectious Diseases.	Acute Lung Diseases.	Diarrhœal Diseases.	Typhoid Fever.	Diphtheria and Croup.
Boston,	496,920	190	61	29	24	3	5	13
Worcester,	98,767	19	13	2	..	..	..	2
Fall River,	89,203	..	..	..	..	..	..	..
Lowell,	84,367	33	11	9	5	..	..	5
Cambridge,	81,643	12	5	3	3	1	2	1
Lynn,	62,354	18	2	3	..	..	..	2
New Bedford,	55,251	17	7	3	2	..	..	3
Somerville,	52,200	12	5	3	1	..	1	2
Lawrence,	52,164	16	12	2	3	2	..	1
Springfield,	51,522	7	1	1	..	..	..	1
Holyoke,	40,322	..	..	..	..	..	..	..
Salem,	34,473	10	5	2	..	..	..	2
Brockton,	33,165	11	3	1	1	1	..	..
Chelsea,	31,264	9	3	1	2	..	..	1
Haverhill,	30,209	8	1	..	..	..	..	..
Malden,	29,709	9	0	..	1	..	..	..
Gloucester,	28,211	..	..	..	..	..	..	..
Newton,	27,590	12	2	1	1	1	..	..
Taunton,	27,115	4	0	..	1	..	..	..
Fitchburg,	26,409	11	4	4	..	..	..	3
Waltham,	20,876	2	0	..	..	..	..	..
Quincy,	20,712	..	..	..	..	..	..	..
Pittsfield,	20,461	5	1	1	..	..	..	..
North Adams,	19,135	9	3	1	2	..	..	1
Everett,	18,573	3	2	..	..	..	..	..
Northampton,	16,746	..	..	..	..	..	..	..
Chicopee,	16,420	..	..	..	..	..	..	..
Brookline,	16,164	1	0	..	..	..	..	..
Marlborough,	14,977	..	..	..	..	..	..	..
Newburyport,	14,552	2	0	..	..	..	..	..
Medford,	14,474	5	1	..	..	..	..	..
Woburn,	14,178	..	..	..	..	..	..	..
Melrose,	11,965	2	0	1	..	..	1	..
Hyde Park,	11,826	..	..	..	..	..	..	..
Beverly,	11,806	..	..	..	..	..	..	..
Clinton,	11,497	4	1	..	..	..	..	1
Weymouth,	11,291	..	..	..	..	..	..	..
Westfield,	10,663	1	0	..	1	..	..	..
Peabody,	10,507	..	..	..	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under five.	Infectious Diseases.	Acute Lung Diseases.	Diarrhœal Diseases.	Typhoid Fever.	Diphtheria and Croup.
Total of reporting towns,	1,433,482	432	143	67	47	8	9	38

DEATHS FROM PREVALENT DISEASES IN 27 CITIES AND LARGER TOWNS OF MASSACHUSETTS.

Sixty-seven deaths were reported from the principal infectious diseases; diphtheria and croup, 38; typhoid fever, 9; diarrhœal diseases, 8; scarlet-fever, 5; cerebro-spinal meningitis, 4; measles, 3; whooping-cough, 1.

No deaths were reported from small-pox, puerperal fever and malarial fever.

There were 47 deaths from acute lung diseases; consumption, 39; and still-births, 35.

From scarlet fever: Boston, 3; Cambridge and Lawrence, 1 each. From cerebro-spinal meningitis: Boston, 2; Lynn and Pittsfield, 1 each. From measles: Lowell, 2; Boston, 1. From erysipelas: Boston and Fitchburg, 1 each. From whooping-cough: Boston, 1.

Deaths under five years of age numbered 143, as compared with 151 for the preceding week.

Deaths from the principal infectious diseases numbered 67, as compared with 78 for the preceding week.

The death rates for the week were: Boston, 19.88; Worcester, 10.00; Fall River, ——; Lowell, 20.33; Cambridge, 7.64; Lynn, 14.99; New Bedford, 15.99; Somerville, 11.95; Lawrence, 15.93; Springfield, 7.06; Holyoke, ——; Salem, 15.08; Brockton, 17.24; Chelsea, 14.94; Haverhill, 12.60; Malden, 15.75; Gloucester, ——; Newton, 22.62; Taunton, 7.67; Fitchburg, 21.67; Waltham, 4.98; Quincy, ——; Pittsfield, 12.70; North Adams, 24.48; Everett, 8.40; Northampton, ——; Chicopee, ——; Marlborough, ——; Newburyport, 7.14; Medford, 17.95; Woburn, ——.

The total death rate for the week was 15.67 as compared with 16.91 and 17.83 for the previous two weeks.

CASES OF INFECTIOUS DISEASES REPORTED TO THE STATE BOARD OF HEALTH DURING THE WEEK ENDING NOVEMBER 21, 1896.

(Under the Provisions of Chapter 302 of the Acts of 1893.)

Scarlet-fever, ...	122.	Measles.	90.
Diphtheria and croup, ...	254.	Typhoid fever, ...	73.

(SIGNED) S. W. ABBOTT, M.D., *Secretary of the State Board of Health.*

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*		RAIN-FALL.	
Week ending Saturday, Nov. 21, 1896.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A. M.	8 P. M.	MEAN.	8 A. M.	8 P. M.	8 A. M.	8 P. M.	8 A. M.	8 P. M.	HOURS DURATION.	AMOUNT IN INCHES.
Sunday, 15,	30.08	41	54	28	66	58	62	S. W.	S. W.	24	12	O.	C.		0.00
Monday, 16,	30.17	54	62	45	61	70	66	S. W.	S. W.	8	7	O.	F.		0.00
Tuesday, 17,	30.12	61	71	51	73	73	73	S. W.	W.	10	8	C.	O.		0.00
Wednes'y, 18,	30.20	52	58	45	86	86	86	N. E.	S.	12	7	O.	O.		0.00
Thursday, 19,	30.09	48	63	33	82	68	75	S. W.	N. W.	12	16	O.	F.		0.00
Friday, 20,	30.60	28	33	24	58	58	58	N. W.	N. W.	10	12	O.	C.		0.30
Saturday, 21,	30.31	31	40	22	74	97	86	N. W.	N. W.	6	12	O.	C.		0.13
Week, - -	30.22		54	35			72								0.43

* O., Cloudy; C., Clear; F., Fair; G., Fog; H., Hazy; S., Smoky; R., Rain; T., Threatening; N., Snow.

Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

—OF—

MASSACHUSETTS

FOR THE

Week ending Saturday, Nov. 28, 1896.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XIV. No. 48.

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SAMUEL W. ABBOTT, M.D., *Secretary.*

MORTALITY OF MASSACHUSETTS

For the Week ending November 28, 1896.

Deaths reported to the State Board of Health in 27 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report will in future be published weekly, and will contain the returns from all cities and towns having a population of more than 10,000 inhabitants. A monthly report will also be issued, to contain the returns from all reporting towns for the month.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

The population employed in this summary is that of the State census of 1895.

CITIES AND TOWNS.	POPULATION. 1895.	Reported Deaths in Each.	Deaths under five years.	DEATHS FROM Principal Infectious Diseases.	Acute Lung Diseases.	Diarrhœal Diseases.	Typhoid Fever.	Diphtheria and Croup.
Boston,	496,920	157	52	26	22	..	4	15
Worcester,	98,767	35	13	2	7	..	..	2
Fall River,	89,203	30	11	5	4	4	..	..
Lowell,	84,367	37	14	3	5	1	..	1
Cambridge,	81,643	30	11	2	7	..	..	..
Lynn,	62,354	20	3	4	..	..	2	2
New Bedford,	55,251	19	7	5	..	1	..	4
Somerville,	52,200	21	8	6	4	1	..	3
Lawrence,	52,164	14	7	2	2	1	..	1
Springfield,	51,522	15	7	..	4	..	..	..
Holyoke,	40,322	..	..	..	..	..	..	..
Salem,	34,473	11	1	..	..	..	..	..
Brockton,	33,165	..	..	..	..	..	..	..
Chelsea,	31,264	13	4	2	3	..	..	1
Haverhill,	30,209	10	4	2	1	1	..	1
Malden,	29,709	8	4	..	1	..	..	..
Gloucester,	28,211	..	..	..	..	..	..	..
Newton,	27,590	9	0	1	1	..	..	1
Taunton,	27,115	12	3	1	..	1	..	..
Fitchburg,	26,409	7	2	1	..	1	..	..
Waltham,	20,876	8	4	3	..	..	1	1
Quincy,	20,712	..	..	..	..	..	..	..
Pittsfield,	20,461	4	2	1	3	..	..	1
North Adams,	19,135	2	0	..	..	..	..	..
Everett,	18,573	8	2	..	..	..	..	..
Northampton,	16,746	..	..	..	..	..	..	..
Chicopee,	16,420	..	..	..	..	..	..	..
Brookline,	16,164	2	0	..	..	..	..	..
Marlborough,	14,977	..	..	..	..	..	..	..
Newburyport,	14,552	6	0	..	..	..	..	..
Medford,	14,474	6	1	..	1	..	..	..
Woburn,	14,178	..	..	..	..	..	..	..
Melrose,	11,965	5	0	4	..	..	2	1
Hyde Park,	11,826	2	1	..	..	..	..	..
Beverly,	11,806	..	..	..	..	..	..	..
Clinton,	11,497	3	0	..	..	..	..	..
Weymouth,	11,291	..	..	..	..	..	..	..
Westfield,	10,663	..	..	..	..	..	..	..
Peabody,	10,507	..	..	..	..	..	..	..

RECAPITULATION.

	POPULATION.	Deaths.	Deaths under five.	Infectious Diseases.	Acute Lung Diseases.	Diarrhœal Diseases.	Typhoid Fever.	Diphtheria and Croup.
Total of reporting towns,	1,490,684	494	161	70	65	11	9	34

DEATHS FROM PREVALENT DISEASES IN 27 CITIES AND LARGER TOWNS OF MASSACHUSETTS.

Seventy deaths were reported from the principal infectious diseases; diphtheria and croup, 34; diarrhœal diseases, 11; typhoid fever, 9; scarlet-fever, 7; cerebro-spinal meningitis, 3; erysipelas and measles, 2 each; whooping-cough and malarial fever, each 1.

No deaths were reported from small-pox and puerperal fever.

There were 65 deaths from acute lung diseases; consumption, 65; and still-births, 39.

From scarlet fever: Boston, 5; Lowell and Waltham, 1 each. From cerebro-spinal meningitis: Cambridge, 2; Chelsea, 1. From measles: Fall River and Somerville, 1 each. From erysipelas: Boston and Melrose, 1 each. From whooping-cough: Boston, 1. From malarial fever: Somerville, 1.

Deaths under five years of age numbered 161, as compared with 143 for the preceding week.

Deaths from the principal infectious diseases numbered 70, as compared with 67 for the preceding week.

The death rates for the week were: Boston, 16.43; Worcester, 18.42; Fall River, 17.49; Lowell, 22.80; Cambridge, 19.18; Lynn, 16.66; New Bedford, 17.83; Somerville, 20.91; Lawrence, 13.94; Springfield, 15.13; Holyoke, ——; Salem, 16.58; Brockton, ——; Chelsea, 21.59; Haverhill, 17.01; Malden, 14.00; Gloucester, ——; Newton, 16.96; Taunton, 23.01; Fitchburg, 13.79; Waltham, 19.92; Quincy, ——; Pittsfield, 10.16; North Adams, 5.44; Everett, 22.40; Northampton, ——; Marlborough, ——; Newburyport, 21.42; Medford, 21.54; Woburn, ——.

The total death rate for the week was 17.16 as compared with 15.67 and 16.91 for the previous two weeks.

CASES OF INFECTIOUS DISEASES REPORTED TO THE STATE BOARD OF HEALTH DURING THE WEEK ENDING NOVEMBER 28, 1896.

(Under the Provisions of Chapter 302 of the Acts of 1893.)

Scarlet-fever,	92.	Measles.	171.
Diphtheria and croup,	213.	Typhoid fever,	62.

(SIGNED) S. W. ABBOTT, M.D., *Secretary of the State Board of Health.*

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.		DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*		RAIN-FALL.	
Week ending Saturday, Nov. 28, 1896.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A. M.	8 P. M.	MEAN.	8 A. M.	8 P. M.	8 A. M.	8 P. M.	8 A. M.	8 P. M.	HOURS DURATION.	AMOUNT IN INCHES.
Sunday, 22,	30.39	36	46	25	66	94	80	N. W.	N. W.	14	12	O.	C.		0.13
Monday, 23,	30.74	32	43	22	84	78	81	N. W.	S. E.	7	10	F.	C.		0.00
Tuesday, 24,	30.38	48	59	38	89	81	85	S. W.	S. W.	24	9	O.	C.		0.06
Wednes'y, 25,	30.56	43	46	40	84	85	84	N. W.	S. E.	9	4	O.	O.		T.
Thursday, 26,	30.30	48	57	38	100	100	100	O.	E.	Calm.	2	R.	C.		0.30
Friday, 27,	30.09	64	72	57	90	89	90	S. W.	S. W.	17	15	O.	C.		T.
Saturday, 28,	30.06	57	68	46	93	94	94	S. W.	N. W.	15	12	O.	R.		0.20
Week, - -	30.36		56	38			88								0.89

* O., Cloudy; C., Clear; F., Fair; G., Fog; H., Hazy; S., Smoky; R., Rain; T., Threatening; N., Snow.

Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

—OF—

MASSACHUSETTS

FOR THE

Week ending Saturday, Dec. 5, 1896.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XIV. No. 49.

Entered at the post-office at Boston as second-class matter.

Tbis publication contains tbe returns of deaths made each week to the State Board of Health from cities and towns in Massachusetts having over 10,000 inbabitants in each. Once in each month it also contains the returns of deaths from such other towns as report to the Board.

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SAMUEL W. ABBOTT, M.D., *Secretary.*

MORTALITY OF MASSACHUSETTS

For the Week ending December 5, 1896.

Deaths reported to the State Board of Health in 27 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report will in future be published weekly, and will contain the returns from all cities and towns having a population of more than 10,000 inhabitants. A monthly report will also be issued, to contain the returns from all reporting towns for the month.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

The population employed in this summary is that of the State census of 1895.

CITIES AND TOWNS.	Population. 1895.	Reported Deaths in Each.	Deaths under five years.	Deaths from				
				Principal Infectious Diseases.	Acute Lung Diseases.	Diarrhœal Diseases.	Typhoid Fever.	Diphtheria and Croup.
Boston,	496,920	195	59	13	14	2	3	6
Worcester,	98,767	33	12	6	6	2	..	2
Fall River,	89,203	..	..	..	..	..	..	..
Lowell,	84,367	22	5	4	2	..	..	3
Cambridge,	81,643	16	7	2	1	..	..	2
Lynn,	62,354	22	8	2	3	..	..	2
New Bedford,	55,251	15	9	3	3	2	..	1
Somerville,	52,200	21	4	7	1	1	3	1
Lawrence,	52,164	12	4	1	2	1	..	..
Springfield,	51,522	22	7	3	3	2	..	1
Holyoke,	40,322	..	..	..	..	..	..	..
Salem,	34,473	5	1	2	..	..	..	2
Brockton,	33,165	8	0	2	1	..	1	1
Chelsea,	31,264	8	3	1	1	..	..	..
Haverhill,	30,209	10	2	2	..	..	..	1
Malden,	29,709	7	2	..	1	..	..	..
Gloucester,	28,211	..	..	..	..	..	..	..
Newton,	27,590	8	2	1	2	..	1	..
Taunton,	27,115	4	2	2	1	1	1	..
Fitchburg,	26,409	8	2	2	..	..	..	1
Waltham,	20,876	6	2	1	2	..	..	1
Quincy,	20,712	8	3	1	1	..	1	..
Pittsfield,	20,461	7	4	1	1	..	..	1
North Adams,	19,135	8	2	1	1	..	..	1
Everett,	18,573	6	2	1	..	..	1	..
Northampton,	16,746	..	..	..	..	..	..	..
Chicopee,	16,420	..	..	..	..	..	..	..
Brookline,	16,164	..	..	..	..	..	..	..
Marlborough,	14,977	..	..	..	..	..	..	..
Newburyport,	14,552	3	1	1	1	..	1	..
Medford,	14,474	3	0	..	..	..	..	..
Woburn,	14,178	0	0	..	..	..	..	..
Melrose,	11,965	1	0	..	..	..	..	..
Hyde Park,	11,826	..	..	..	..	..	..	..
Beverly,	11,806	..	..	..	..	..	..	..
Clinton,	11,497	..	..	..	..	..	..	..
Weymouth,	11,291	..	..	..	..	..	..	..
Westfield,	10,663	3	0	..	..	..	..	..
Peabody,	10,507	..	..	..	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under five.	Infectious Diseases.	Acute Lung Diseases.	Diarrhœal Diseases.	Typhoid Fever.	Diphtheria and Croup.
Total of reporting towns,	1,440,711	466	143	59	47	11	12	26

DEATHS FROM PREVALENT DISEASES IN 27 CITIES AND LARGER TOWNS OF MASSACHUSETTS.

Fifty-nine deaths were reported from the principal infectious diseases; diphtheria and croup, 26; typhoid fever, 12; diarrhœal diseases, 11; erysipelas, 2; whooping-cough and puerperal fever, each 1.

No deaths were reported from small-pox, measles and malarial fever.

There were 46 deaths from acute lung diseases; consumption, 32; and still-births, 30.

From cerebro-spinal meningitis: Worcester, Somerville and Chelsea, 1 each. From erysipelas: Boston, 2. From whooping-cough: Fitchburg, 1. From scarlet fever: Worcester, Somerville and Haverhill, 1 each.

Deaths under five years of age numbered 143, as compared with 161 for the preceding week.

Deaths from the principal infectious diseases numbered 59, as compared with 70 for the preceding week.

The death rates for the week were: Boston, 20.40; Worcester, 17.37; Fall River, ——; Lowell, 13.56; Cambridge, 10.19; Lynn, 18.32; New Bedford, 14.11; Somerville, 20.91; Lawrence, 11.95; Springfield, 22.19; Holyoke, ——; Salem, 7.54; Brockton, 12.54; Chelsea, 13.28; Haverhill, 17.01; Malden, 12.25; Gloucester, ——; Newton, 15.08; Taunton, 7.67; Fitchburg, 15.76; Waltham, 14.94; Quincy, 20.00; Pittsfield. 17.78; North Adams, 21.76; Everett, 16.80; Northampton, ——; Chicopee, ——; Marlborough, ——; Newburyport, 28.56; Medford, 10.77; Woburn, ——.

The total death rate for the week was 16.82 as compared with 17.16 and 15.67 for the previous two weeks.

CASES OF INFECTIOUS DISEASES REPORTED TO THE STATE BOARD OF HEALTH DURING THE WEEK ENDING DECEMBER 5, 1896.

(Under the Provisions of Chapter 302 of the Acts of 1893.)

Scarlet-fever, ...	108.	Measles, ...	260.
Diphtheria and croup, ...	229.	Typhoid fever, ...	45.

(SIGNED) S. W. ABBOTT, M.D., *Secretary of the State Board of Health.*

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*		RAIN-FALL.	
Week ending Saturday, Dec. 5, 1896.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A. M.	8 P. M.	MEAN.	8 A. M.	8 P. M.	8 A. M.	8 P. M.	8 A. M.	8 P. M.	HOURS DURATION.	AMOUNT IN INCHES.
Nov. Sunday, 29,	30.34	38	46	31	93	82	88	N. W.	N.	9	12	O.	O.		0.31
Monday, 30,	30.31	31	35	27	100	84	92	N.	W.	9	12	O.	O.		0.20
Dec. Tuesday, 1,	30.37	28	32	23	76	73	74	W.	W.	13	9	C.	C.		0.00
Wednes'y, 2,	30.45	20	23	16	81	53	67	N. W.	N.	15	17	F.	O.		0.00
Thursday, 3,	30.34	16	20	13	81	56	68	N.	S. W.	20	9	O.	C.		T.
Friday, 4,	30.32	28	38	18	71	78	74	W.	S. E.	11	10	F.	O		0.00
Saturday, 5,	30.10	42	47	36	83	69	76	N. W.	W.	9	5	C.	C.		0.02
Week, - -	30.32		34	23			77								0.53

* O., Cloudy; C., Clear; F., Fair; G., Fog; H., Hazy; S., Smoky; R., Rain; T., Threatening; N., Snow.

MONTHLY MORTALITY

In 6 smaller towns of Massachusetts, as reported to the State Board of Health for the month of November.

The total death rate of reporting towns was 6.31.

TOWNS.	POPULATION, 1895.	Reported Deaths in Each.	Deaths under five years of age.	DEATHS FROM				
				Infectious Diseases.	Acute Lung Diseases.	Consumption.	Typhoid Fever.	Diphtheria and Croup.
Amesbury,	9,986	9	0	..	..	1	..	..
Revere,	7,423	6	1	..	..	..	..	..
Orange,	5,361	7	3	..	..	..	..	..
Hudson,	5,308	15	2	2	..	..	2	..
Merrimac,	2,301	1	0	..	1	..	..	..
Norton,	1,614	1	..	..	..	..	..	..
Total of reporting towns,	31,993	39	6	2	1	1	2	0

What's the objection to Salicylic Acid?

Irritation.

What's the objection to Morphia?

Constipation—Drug-habit.

What's the objection to

SAL-CODEIA BELL

(Salacetin gr. 5. Codeine Sulphate gr. 1-4.)

There is none. "Trial is Proof."

Try it in Rheumatism or any Neuralgia and judge for yourself.

Prescribe two tablets dissolved in hot water, repeated t. i. d. as necessary. Stocked by druggists, or one dollar per hundred by mail to physicians and druggists only.

BELL & COMPANY (INC.),

68 MURRAY ST., N. Y.

IN THE TREATMENT OF

Cystitis Urethritis

Pyelitis Prostatitis

Uriform

Arrests infection—sterilizes the urine—and exerts an anticatarrhal effect upon the inflamed mucous membrane of the urinary tract.

Schieffelin & Co., New York

When advising a mother to use Mellin's Food for her baby, it is a good plan to give her a sample at the same time.

While your instructions are fresh in her mind, she is more likely to prepare it just as you have instructed.

Write us for samples when you need them. They will be sent to you free.

Mellin's Food Company **Boston, Mass.**

Mellin's Food is the ONLY Infants' Food, which received the Grand Prize, the highest award of the St. Louis Exposition, 1904. Higher than a gold medal.

TANFORMAL

(WARNER & CO.)

Controls the **DIARRHŒA** of Typhoid and other infectious diseases of the intestinal tract, inhibits the development of micro-organisms.

Acts as an energetic intestinal astringent and antiseptic.

Unchanged and inert in the stomach.

Physiological action commences in the duodenum and continues throughout the entire intestinal tract.

Does **NOT** disorder **NOR** derange the stomach; eliminated by the bowels and kidneys; exerts an antiseptic action and renders the feces and urine sterile.

SAMPLES AND LITERATURE ON REQUEST.

WM. R. WARNER & CO.

Manufacturing Pharmaceutists,

PHILADELPHIA, NEW YORK, CHICAGO, NEW ORLEANS.

IODOFORMAL

(WARNER & CO.)

ANTISEPTICAL SURGICAL DRESSING

NON-TOXIC AND NON-IRRITATING.

A New and Definite Synthetic Compound of Cinchonine Iodosulphate, Thymol Iodide, Bismuth Oxyiodide, Boro Formaldehyde, Phenylacetamide with Phenic Acid. Liberates Iodine, Formaldehyde, Thymol and Phenic Acid. Acts as an Efficient Local Antiseptic, Alterative, Astringent, Analgesic and Dermal Tonic.

SAMPLE TO PHYSICIANS ON REQUEST.

ORIGINATED AND INTRODUCED BY

WM. R. WARNER & CO. PHILADELPHIA

BRANCHES: NEW YORK, CHICAGO, NEW ORLEANS.

TRI-IODIDES HENRY

LIQUOR SALI-IODIDES.— Colchicin, 1-20 grain; Phytolaccin, 1-10 grain; Solanin, 1-3 grain; Soda Salicylate, 10 grains; Iodic Acid, equal to 7-32 grains Iodine; Aromatic Cordial. Dose, 1 to 2 drams in water. 8-oz. bottle, $1.00.

A powerful alterative and resolvent, glandular and hepatic stimulant, and succedaneum to the iodides. Indicated in all conditions dependent upon perverted tissue metabolism; in lymphatic engorgements and functional viscera disturbances; in lingering rheumatic pains which are "worse at night." Bone, periosteal and visceral symptoms of late syphilis; for the removal of all inflammatory, plastic and gouty deposits.

A remedy in sciatica, megrim, neuralgias, lumbago and muscular pains; the gouty and rheumatic diathesis; acute and chronic rheumatism and gout; chronic eczema and psoriasis, and all dermic disorders in which there is underlying blood taint.

An hepatic stimulant increasing the quantity and fluidity of the bile. Relieves hepatic and intestinal torpor; does not cause the unpleasant gastric symptoms of potassium iodide.

THREE CHLORIDES HENRY

LIQUOR FERRISENIC.— Each dram contains: Proto-Chlor. Iron, 1-8 grain; Bi-Chlor. Mercury, 1-128 grain; Chloriae Arsenic, 1-280 grain; Calisaya Cordial. Dose, 1 to 2 drams. 12-oz. bottle, $1.00.

An oxygen-carrying ferruginous preparation, suitable for prolonged treatment of children, adults and the aged. Indicated in anæmia and bodily weakness, convalescence from acute diseases and surgical operations; boys and girls at the age of puberty, and the climacteric period in women. In children with chorea, rickets, or who are backward in development, or in whom there exists an aversion to meats and fats. Prolonged administration never causes iron "headache."

As an adjuvant for potassium iodide, the undesirable manifestation known as iodism can be removed.

Stimulant to the peptic and hydrochloric glandular system of the stomach, especially serviceable in the impaired appetite, nausea, vomiting and other gastric symptoms of alcoholic subjects.

MAIZO-LITHIUM HENRY

LIQUOR LITHIUM MAIZENATE.— Nascent Chemic Union of Maizenic Acid — from Green Corn Silk — with Lithium, forming Maizenate-Lithium. Two grains to dram. Dose, 1 to 2 drams. 8-oz. bottle, $1.00.

A genito-urinary sedative, an active diuretic; solvent and flush; indicated for the relief and prevention of renal colic; a sedative in the acute stages of gonorrhea, cystitis and epididymitis; in dropsical effusions due to enfeebled heart or to renal diseases. As a solvent in the varied manifestations of gout, goutiness and neurotic lithemia, periodical migrainous headache, epigastric oppression, cardiac palpitation, irregular, weak or intermittent pulse, irritability, moodiness, insomnia and other nervous symptoms of uric-acidemia. Decidedly *better*, more economical, extensive in action and definite in result, *than mineral waters.*

Those cases of irritable heart, irregular or intermittent pulse so frequently met with by insurance examiners, and found to be due to excess of uric acid, are special indications for Maizo-Lithium.

HENRY PHARMACAL CO., Louisville, Ky.

Seeley
Hard-Rubber
Trusses

CURE RUPTURE

Mailed *ready to wear* specially fitted for each case.
State measure of body—size of hernia, right or left, age, height and weight.
Send for catalogue and life plates.

Chesterman & Streeter
Successors to I. B. SEELEY & CO.
25 So. 11th St. Philadelphia.

PLANTEN'S PURE SANDAL PERLOIDS
TRADE MARK
Or Improved French "Perles."
Cheaper and Better than the Imported.

SEND FOR SAMPLES.
CAPSULATING PRIVATE FORMULAS.
Correspondence solicited.

H. PLANTEN & SON,
(Established 1836)
MANUFACTURERS OF
Filled and Empty Gelatine Capsules,
93 Henry St., Brooklyn, N. Y.

Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

—OF—

MASSACHUSETTS

FOR THE

Week ending Saturday, Dec. 19, 1896.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XIV. No. 51.

Entered at the post-office at Boston as second-class matter.

This publication contains the returns of deaths made each week to the State Board of Health from cities and towns in Massachusetts having over 10,000 inhabitants in each. Once in each month it also contains the returns of deaths from such other towns as report to the Board.

It also contains the reports of cases of infectious diseases returned by the boards of health of cities and towns.

Once in each month the work done under the Food and Drug Acts is also reported in this bulletin.

STATE BOARD OF HEALTH.

HENRY P. WALCOTT, M.D., Cambridge, *Chairman.*
GERARD C. TOBEY, Esq., Wareham.
FRANK W. DRAPER, M.D., Boston.
HIRAM F. MILLS, C.E., Lawrence.
JAMES W. HULL, Pittsfield.
CHARLES H. PORTER, Quincy.
JULIAN A. MEAD, M.D., Watertown.

SAMUEL W. ABBOTT, M.D., *Secretary.*

MORTALITY OF MASSACHUSETTS

For the Week ending December 19, 1896.

Deaths reported to the State Board of Health in 28 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report will in future be published weekly, and will contain the returns from all cities and towns having a population of more than 10,000 inhabitants. A monthly report will also be issued, to contain the returns from all reporting towns for the month.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

The population employed in this summary is that of the State census of 1895.

CITIES AND TOWNS.	POPULATION. 1895.	Reported Deaths in Each.	Deaths under five years.	DEATHS FROM				
				Principal Infectious Diseases.	Acute Lung Diseases.	Diarrhœal Diseases.	Typhoid Fever.	Diphtheria and Croup.
Boston,	496,920	180	54	17	37	..	1	10
Worcester,	98,767	35	12	8	4	..	..	3
Fall River,	89,203	41	20	6	13	4	..	1
Lowell,	84,367	24	8	1	8	..	..	..
Cambridge,	81,643	25	10	3	6	2	1	..
Lynn,	62,354	19	..	..	2	..	..	..
New Bedford,	55,251	19	8	3	1	1	..	1
Somerville,	52,200	16	6	4	2	1	..	2
Lawrence,	52,164	21	12	1	7	..	..	1
Springfield,	51,522	15	2	1	..	1	..	..
Holyoke,	40,322	..	..	..	..	..	..	..
Salem,	34,473	11	2	..	1	..	..	..
Brockton,	33,165	..	..	..	..	..	..	..
Chelsea,	31,264	12	4	3	..	..	1	2
Haverhill,	30,209	14	3	..	3	..	..	..
Malden,	29,709	3	1	..	1	..	..	..
Gloucester,	28,211	..	..	..	..	..	..	..
Newton,	27,590	10	2	1	1	..	1	..
Taunton,	27,115	10	2	..	1	..	..	..
Fitchburg,	26,409	15	7	2	1	..	1	1
Waltham,	20,876	4	3	..	2	..	..	..
Quincy,	20,712	..	..	..	..	..	..	..
Pittsfield,	20,461	4	0	3	1	..	..	3
North Adams,	19,135	7	3	..	3	..	..	..
Everett,	18,573	4	2	..	..	..	..	..
Northampton,	16,746	..	..	..	..	..	..	..
Chicopee,	16,420	..	..	..	..	..	..	..
Brookline,	16,164	4	0	..	..	..	..	..
Marlborough,	14,977	..	..	..	..	..	..	..
Newburyport,	14,552	3	2	2	..	..	1	1
Medford,	14,474	4	3	..	1	..	..	..
Woburn,	14,178	6	3	..	2	..	..	..
Melrose,	11,965	1	0	..	..	..	..	..
Hyde Park,	11,826	..	..	..	..	..	..	..
Beverly,	11,806	..	..	..	..	..	..	..
Clinton,	11,497	3	1	..	..	..	..	..
Weymouth,	11,291	..	..	..	..	..	..	..
Westfield,	10,663	5	0	..	..	..	..	..
Peabody,	10,507	..	..	..	..	..	..	..

RECAPITULATION.

	POPULATION.	Deaths.	Deaths under five.	Infectious Diseases.	Acute Lung Diseases.	Diarrhœal Diseases.	Typhoid Fever.	Diphtheria and Croup.
Total of reporting towns,	1,503,698	515	170	55	97	9	6	25

DEATHS FROM PREVALENT DISEASES IN 28 CITIES AND LARGER TOWNS OF MASSACHUSETTS.

Fifty-five deaths were reported from the principal infectious diseases; diphtheria and croup, 25; diarrhœal diseases, 9; typhoid fever, 6; cerebro-spinal meningitis, 8; scarlet fever, 3; whooping-cough, 2; measles and erysipelas, each 1.

No deaths were reported from small-pox, malarial fever and puerperal fever.

There were 97 deaths from acute lung diseases; consumption, 44; and still-births, 41.

From cerebro-spinal meningitis: Worcester, 5; Boston, New Bedford and Somerville, 1 each. From scarlet fever: Boston, 3. From whooping-cough: Boston and Lowell, 1 each. From measles: Fall River, 1. From erysipelas: Boston, 1.

Deaths under five years of age numbered 170, as compared with 157 for the preceding week.

Deaths from the principal infectious diseases numbered 55, as compared with 55 for the preceding week.

The death rates for the week were: Boston, 18.83; Worcester, 18.42; Fall River, 23.90; Lowell, 14.78; Cambridge, 15.98; Lynn, 15.82; New Bedford, 19.73; Somerville, 17.93; Lawrence, 20.91; Springfield, 15.13; Holyoke, ——; Salem, 16.58; Brockton, ——; Chelsea, 19.93; Haverhill, 23.81; Malden, 5.25; Gloucester, ——; Newton, 18.85; Taunton, 19.18; Fitchburg, 29.55; Waltham, 9.96; Quincy, ——; Pittsfield, 10.16; North Adams, ——; Everett, 11.20; Northampton, ——; Chicopee, ——; Marlborough, ——; Newburyport, 10.71; Medford, 14.36; Woburn, 21.96.

The total death rate for the week was 17.81 as compared with 16.72 and 16.82 for the previous two weeks.

CASES OF INFECTIOUS DISEASES REPORTED TO THE STATE BOARD OF HEALTH DURING THE WEEK ENDING DECEMBER 19, 1896.

(Under the Provisions of Chapter 302 of the Acts of 1893.)

Scarlet-fever, ...	124.	Measles.	261.
Diphtheria and croup, ...	222.	Typhoid fever, ...	58.

(SIGNED) S. W. ABBOTT, M.D., *Secretary of the State Board of Health.*

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROMETER.	THERMOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*		RAIN-FALL.	
Week ending Saturday, Dec. 19, 1896.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A. M.	8 P. M.	MEAN.	8 A. M.	8 P. M.	8 A. M.	8 P. M.	8 A. M.	8 P. M.	HOURS DURATION.	AMOUNT IN INCHES.
Sunday, 13,	29.74	49	58	40	86	76	81	S. W.	S. W.	13	12	O.	C.		T.
Monday, 14,	30.04	37	47	27	68	41	54	W.	N. W.	11	13	C.	C.		0.00
Tuesday, 15,	30.15	26	31	20	77	71	74	N. W.	N. E.	13	22	O.	O.		0.00
Wednes'y, 16,	29.77	24	31	17	98	87	92	N.	N.	33	31	N.	N.		0.43
Thursday, 17,	30.10	28	35	22	51	50	50	N. W.	N. W.	14	11	C.	C.		T.
Friday, 18,	30.06	31	41	21	55	90	72	W.	S. E.	6	15	O.	R.		T.
Saturday, 19,	29.90	28	39	18	73	51	62	W.	W.	18	18	C.	C.		T.
Week, - -	29.97		40	23			66								0.43

* O., Cloudy; C., Clear; F., Fair; G., Fog; H., Hazy; S., Smoky; R., Rain; T., Threatening; N., Snow.

Weekly Bulletin

OF THE

STATE BOARD OF HEALTH

—OF—

MASSACHUSETTS

FOR THE

Week ending Saturday, Dec. 26, 1896.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XIV. No. 52.

Entered at the post-office at Boston as second-class matter.

This publication contains the returns of deaths made each week to the State Board of Health from cities and towns in Massachusetts having over 10,000 inhabitants in each. Once in each month it also contains the returns of deaths from such other towns as report to the Board.

It also contains the reports of cases of infectious diseases returned by the boards of health of cities and towns.

Once in each month the work done under the Food and Drug Acts is also reported in this bulletin.

STATE BOARD OF HEALTH.

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CHARLES H. PORTER, Quincy.
JULIAN A. MEAD, M.D., Watertown.

SAMUEL W. ABBOTT, M.D., *Secretary.*

MORTALITY OF MASSACHUSETTS

For the Week ending December 26, 1896.

Deaths reported to the State Board of Health in 25 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report will in future be published weekly, and will contain the returns from all cities and towns having a population of more than 10,000 inhabitants. A monthly report will also be issued, to contain the returns from all reporting towns for the month.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

The population employed in this summary is that of the State census of 1895.

CITIES AND TOWNS.	POPULATION. 1895.	Reported Deaths in Each.	Deaths under five years.	DEATHS FROM				
				Principal Infectious Diseases.	Acute Lung Diseases.	Typhoid Fever.	Diphtheria and Croup.	Scarlet Fever.
Boston,	496,920	192	51	22	33	2	7	10
Worcester,	98,767	36	9	5	4	1	3	..
Fall River,	89,203	32	16	5	10	..	3	..
Lowell,	84,367	36	13	1	2	..	1	..
Cambridge,	81,643	26	6	7	6	2	1	2
Lynn,	62,354	..	..	..	..	..	..	..
New Bedford,	55,251	25	12	3	3	..	2	..
Somerville,	52,200	18	7	3	4	..	2	..
Lawrence,	52,164	15	6	..	3	..	..	..
Springfield,	51,522	15	3	1	3	..	1	..
Holyoke,	40,322	..	..	..	..	..	..	..
Salem,	34,473	11	1	1	..	..	1	..
Brockton,	33,165	9	2	1	..	..	1	..
Chelsea,	31,264	..	..	..	..	..	..	..
Haverhill,	30,209	10	3	..	2	..	..	..
Malden,	29,709	10	1	..	1	..	..	..
Gloucester,	28,211	..	..	..	..	..	..	..
Newton,	27,590	10	3	..	..	..	..	..
Taunton,	27,115	9	4	..	..	..	..	..
Fitchburg,	26,409	8	3	2	1	1	..	..
Waltham,	20,876	4	1	1	1	..	1	..
Quincy,	20,712	..	..	..	..	..	..	..
Pittsfield,	20,461	..	..	..	..	..	..	..
North Adams,	19,135	7	3	..	3	..	..	..
Everett,	18,573	4	1	1	..	..	..	..
Northampton,	16,746	..	..	..	..	..	..	..
Chicopee,	16,420	..	..	..	..	..	..	..
Brookline,	16,164	..	..	..	..	..	..	..
Marlborough,	14,977	..	..	..	..	..	..	..
Newburyport,	14,552	3	2	..	..	..	..	..
Medford,	14,474	2	0	..	..	..	..	..
Woburn,	14,178	..	..	..	..	..	..	..
Melrose,	11,965	3	0	..	..	..	..	..
Hyde Park,	11,826	6	3	..	2	..	..	..
Beverly,	11,806	..	..	..	..	..	..	..
Clinton,	11,497	3	0	..	1	..	..	..
Weymouth,	11,291	..	..	..	..	..	..	..
Westfield,	10,663	2	1	..	..	..	..	..
Peabody,	10,507	..	..	..	..	..	..	..

RECAPITULATION.

	POPULATION.	Deaths.	Deaths under five.	Infectious Diseases.	Acute Lung Diseases.	Typhoid Fever.	Diphtheria and Croup.	Scarlet Fever.
Total of reporting towns,	1,414,268	496	141	53	79	6	23	12

DEATHS FROM PREVALENT DISEASES IN 25 CITIES AND LARGER TOWNS OF MASSACHUSETTS.

Fifty-three deaths were reported from the principal infectious diseases; diphtheria and croup, 23; scarlet fever, 12; typhoid fever, 6; measles and diarrhœal diseases, 4 each; erysipelas, 2; cerebro-spinal meningitis and whooping-cough, each 1.

No deaths were reported from small-pox, puerperal fever and malarial fever.

There were 79 deaths from acute lung diseases; consumption, 42; and still-births, 26.

From measles: Boston and Cambridge, 2 each. From diarrhœal diseases: Fall River, 2; New Bedford and Somerville, 1 each. From erysipelas: Boston and Everett, 1 each. From cerebro-spinal meningitis: Worcester, 1. From whooping-cough: Taunton, 1.

Deaths under five years of age numbered 141, as compared with 170 for the preceding week.

Deaths from the principal infectious diseases numbered 53, as compared with 55 for the preceding week.

The death rates for the week were: Boston, 20.09; Worcester, 18.95; Fall River, 18.65; Lowell, 22.18; Cambridge, 16.62; Lynn, ——; New Bedford, 23.52; Somerville, 17.92; Lawrence, 14.94; Springfield, 15.13; Holyoke, ——; Salem, 16.58; Brockton, 14.11; Chelsea, ——; Haverhill, 17.01; Malden, 17.50; Gloucester, ——; Newton, 18.85; Taunton, 17.26; Fitchburg, 15.76; Waltham, 9.96; Quincy, ——; Pittsfield. ——; North Adams, 19.04; Everett, 11.20; Northampton, ——; Chicopee, ——; Marlborough, ——; Newburyport, 10.71; Medford, 7.18; Woburn, ——.

The total death rate for the week was 18.23 as compared with 17.81 and 16.72 for the previous two weeks.

CASES OF INFECTIOUS DISEASES REPORTED TO THE STATE BOARD OF HEALTH DURING THE WEEK ENDING DECEMBER 26, 1896.

(Under the Provisions of Chapter 302 of the Acts of 1893.)

Scarlet-fever, ...	79.	Measles.	269.
Diphtheria and croup, ...	229.	Typhoid fever, ...	43.

(SIGNED) S. W. ABBOTT, M.D., *Secretary of the State Board of Health.*

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.			STATE OF WEATHER.*			RAIN-FALL.	
Week ending Saturday, Dec. 26, 1896.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A. M.	8 P. M.	MEAN.	8 A. M.	8 P. M.	8 A. M.	8 P. M.		8 A. M.	8 P. M.		HOURS DURATION.	AMOUNT IN INCHES.
Sunday, 20,	30.01	23	30	16	47	45	46	W.	S. W.	16	6		O.	C.			0.00
Monday, 21,	29.93	28	34	21	62	61	62	W.	W.	8	5		C.	O.			0.00
Tuesday, 22,	30.00	22	28	16	66	58	62	W.	N. E.	11	5		C.	C.			0.00
Wednes'y, 23,	29.92	20	22	17	92	45	68	N.	N. W.	16	18		N.	O.			0.26
Thursday, 24,	30.23	13	19	7	72	57	64	N. W.	W.	10	16		C.	C.			0.00
Friday, 25,	30.42	16	23	10	65	59	62	N. W.	S.	16	10		F.	F.			0.00
Saturday, 26,	30.16	28	35	20	50	64	57	S. W.	N. W.	20	15		C.	C.			0.00
Week, - -	30.09		27	15			60										0.26

* O., Cloudy; C., Clear; F., Fair; G., Fog; H., Hazy; S., Smoky; R., Rain; T., Threatening; N., Snow.

H. HOLZER
BINDER
BOSTON, MASS.